Journal The Electrochemical Society

Volume 141 — 1994

Author and Title Index

and

Subject Index

Using the Indices

Only Letters, Technical Papers, and Review Papers are included in the indices, and titles have been limited to ASCII text. Thus, superscripts and subscripts are not differentiated from ordinary characters, and Greek letters and symbols are spelled out, replaced, or, in some cases, omitted.

In the Author and Title Index, first authors are listed with any coauthors, the issue and page numbers, and the title. All other authors are listed with a reference to the first author and the issue and page number.

In the Subject Index, all the words that have been judged not insignificant in the title are indexed and shown in their context, together with the issue and page numbers.

Author	Issue	Page
Abdul-Ridha, H. H.; Bateman, J. E.; Fan, G. H.; Pemble, Martyn E.; Povey, I. M. Decomposition of Cyanoethylphosphine, Benzylphosphine, and Cyclopentylphosphine during InP MOCVD Growth Studied by FTIR Spectroscopy. Criteria for the Design of Organophosphine Precursors	7	1886
Abe, Tomohiko, *see* Ohno, Katsutoshi	5	1252
Abe, Yoshihiro; Hosono, Hideo; Akita, Osamu; Hench, L. L. Protonic Conduction Phosphate Glasses	6	L84
Abernathy, C. R., *see* Pearton, S. J.	8	2250
Abiko, H., *see* Georgiou, George E.	5	1351
Abraham, K. M., *see* Alamgir, M.	11	L143
Abramova, Nataliya, *see* Bratov, Andrey	9	L111
Abrantes, Luisa M.; Correia, J. P. On the Mechanism of Electroless Ni-P Plating	9	2356
Abruña, Hector D., *see* Harford, S. H.	12	3394
Adachi, Hiroshi, *see* Sorita, Tetsuji	12	3505
Adachi, K., *see* Matsunaga, Morio	9	2413
Adolphi, B., *see* Preuss, A.	10	2784
Afanas'ev, V. V.; Revesz, A. G.; Brown, G. A.; Hughes, H. L. Deep and Shallow Electron Trapping in the Buried Oxide Layer of SIMOX Structures	10	2801
Ager, J. W., III, *see* Oblonsky, L. J.	12	3312
Aggour, M., *see* Rappich, J.	8	L99
Ahn, Byung Tae, *see* Kim, Hye Dong	12	3572
Aikawa, S., *see* Fukunaka, Y.	7	1783
Ajuria, Sergio A., *see* Okada, Yoshio	12	3500
Akahane, Tadashi, *see* Yasui, Kanji	3	742
Akao, Noboru; Kato, Tomoya; Sasaki, Takashi; Sugimoto, Katsuhisa The Influence of Co Content on the Corrosion Resistance of Sputter-Deposited TbFeCo Thin Films in Aqueous Environments	5	1199
Akasaki, Isamu; Amano, Hiroshi Widegap Column-III Nitride Semiconductors for UV/Blue Light Emitting Devices	8	2266
Akita, Osamu, *see* Abe, Yoshihiro	6	L64
Akiya, Hideo; Kuwano, Shuji; Matsumoto, Tohru; Muraoka, Hisashi; Itsumi, Manabu; Yabumoto, Norikuni Thin-Oxide Dielectric Strength Improvement by Adding a Phosphonic Acid Chelating Agent into NH4OH-H2O2 Solution	10	L139
Akiya, Masahiro; Ishii, Masatosi Mg Content Dependence of the Electromigration Resistance of Fine-Grained Al-Si Alloys	10	2857
Akiyama, M., *see* Tamaki, J.	8	2207
Akutsu, Tetsuo, *see* Urisu, Tsuneo	6	1562
Alamgir, M.; Zuo, Q.; Abraham, K. M. The Behavior of Carbon Electrodes Derived from Poly(p-phenylene) in Polyacrylonitrile-Based Polymer Electrolyte Cells	11	L143
Alberhasky, Scott, *see* Uppili, Sudarsan	6	1663
Aldykiewicz, Antonio J., Jr., *see* Davenport, Alison J.	1	L6
Alegret, Salvador, *see* Bratov, Andrey	9	L111
Alexandruk, Valery, *see* Yoshiki, Hajime	5	L56
Alhajji, J. N.; Reda, M. R. The Conflicting Roles of Complexing Agents on the Corrosion of Copper-Nickel Alloys in Sulfide Polluted Seawater	6	1432
Alkire, Richard, *see* Georgiadou, Maria	3	679
Alkire, Richard C., *see* Schmidt, Wolfgang U.	7	L85
Alkire, Richard C., *see* Mannheim, Edna	2	546
Alkire, Richard C., *see* Rynders, Rebecca M.	5	1166
Alkire, Richard C., *see* Rynders, Rebecca Mohr	6	1439
Allen, Tom, *see* Chonko, Mark A.	7	1862
Alloin, F.; Sanchez, J.-Y.; Armand, M. Electrochemical Behavior of Lithium Electrolytes Based on New Polyether Networks	7	1915
Alonso, J. C., *see* Falcony, Ciro	10	2860
Alshawa, A. K.; Lozykowski, H. J. AC Electroluminescence of ZnS:Tm	4	1070
Amano, Hiroshi, *see* Akasaki, Isamu	8	2266
Amatucci, G., *see* Tarascon, J. M.	6	1421
Amazawa, Takao, *see* Saito, Kunio	7	1879
Amezawa, Koji; Ito, Yasuhiko; Tomii, Yoichi	11	3096
The Single-Electrode Peltier Heats of Li-Al Alloy Electrodes in LiCl-KCl Eutectic System		
Amick, James A.; Bottari, Frank J.; Hanoka, Jack I. The Effect of Aluminum Thickness on Solar Cell Performance	6	1577
Amikura, K., *see* Watanabe, Masahiro	2	342
Amrani, Z.; Huet, F.; Jérome, M.; Manolatos, P.; Wenger, F. Fluctuations of Permeation Rate Through an Iron Membrane Induced by Hydrogen Bubbles	8	2059
An, Choon Ho; Sugimoto, Katsuhisa Ellipsometric Examination of Structure and Growth Rate of Metalorganic Chemical Vapor Deposited Ta2O5 Films on Si(100)	3	853
Anantharaman, V.; Pintauro, Peter N. The Electrocatalytic Hydrogenation of Glucose. I. Kinetics of Hydrogen Evolution and Glucose Hydrogenation on Raney Nickel Powder	10	2729
Anantharaman, V.; Pintauro, Peter N. The Electrocatalytic Hydrogenation of Glucose. II. Raney Nickel Powder Flow-Through Reactor Model	10	2742
Anderson, J., *see* Tsang, L. F.	9	2513
Angermann, H., *see* Dittrich, Th.	12	3595
Antoncik, E., Enhanced Diffusion of Dopants at Concentrations near the Solubility Limit	12	3593
Antonucci, V., *see* Shukla, A. K.	6	1517
Aoki, Akihiko, *see* Nogami, Gyoichi	12	3410
Aoyama, Masaaki, *see* Usujima, Akihiro	9	2487
Aoyama, Michishige, *see* Hattori, Kei	10	2825
Apte, P. R., *see* Kumar, Dhananjay	6	1611
Aragane, J.; Urushibata, H.; Murahashi, T Evaluation of an Effective Platinum Metal Surface Area in a Phosphoric Acid Fuel Cell	7	1804
Arai, Susumu, *see* Maruyama, Toshiro	4	1021
Aramaki, Kunitsugu, *see* Itoh, Miki	2	352
Aramaki, Kunitsugu, *see* Itoh, Miki	8	2018
Arendt, Mark, *see* Yau, Shueh-Lin	2	402
Aricò, A. S., *see* Shukla, A. K.	6	1517
Arita, Yoshinobu, *see* Saito, Kunio	7	1879
Aritsuka, Makoto, *see* Tasaka, Akimasa	6	1460
Arkam, C.; Bouet, V.; Gabrielli, Claude; Maurin, G.; Perrot, H. Quartz Crystal Electrogravimetry with Controlled Hydrodynamics. Application to the Study of Nickel Electrodeposition	9	L103
Armand, M., *see* Alloin, F.	7	1915
Armyanov, S., *see* Krasteva, N.	10	2864
Arnold, Emil, Silicon-On-Insulator Devices for High Voltage and Power IC Applications	7	1983
Arvia, A. J., *see* Garcia, M. P.	9	2291
Asaki, Z., *see* Fukunaka, Y.	7	1783
Asao, Masaya, *see* Ishikawa, Masashi	5	1105
Ashour, Elsayed A., *see* Ateya, Badr G.	1	71
Asikainen, Timo; Ritala, Mikko; Leskelä, Markku Growth of In2O3 Thin Films by Atomic Layer Epitaxy	11	3210
Asoka-Kumar, P., *see* Wu, X.	12	3361
Ateya, Badr G.; Ashour, Elsayed A.; Sayed, Sayed M. Corrosion of Alpha-Al-Bronze in Saline Water	1	71
Ateya, Badr G., *see* El-Shakre, M. E.	2	441
Aubay, M.; Lojou, E. Film Formation on Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Based Electrolytes	4	865
Aucouturier, M., *see* da Mierry, P.	6	1539
Augustynski, Jan, *see* Kedzierzawski, P.	5	L58
Aurbach, Doran; Ein-Ely, Yair; Zaban, Arie The Surface Chemistry of Lithium Electrodes in Alkyl Carbonate Solutions	1	L1
Aurbach, Doron; Ein-Eli, Yair; Chusid (Youngman), O.; Carmeli, Yaakov; Babai, Matsliach; Yamin, Herzel The Correlation Between the Surface Chemistry and the Performance of Li-Carbon Intercalation Anodes for Rechargeable "Rocking Chair" Type Batteries	3	603
Aurbach, Doron; Zaban, Arie Impedance Spectroscopy of Nonactive Metal Electrodes at Low Potentials in Propylene Carbonate Solutions. A Comparison to Studies of Li Electrodes	7	1808
Awadelkarim, O. O., *see* Gu, Tieer	11	3230
Babai, Matsliach, *see* Aurbach, Doron	3	603
Baccar, B., *see* Chirchi, L.	9	2283
Badgwell, Thomas A.; Trachtenberg, Isaac; Edgar, Thomas F. Modeling the Wafer Temperature Profile in a Multiwafer Low Pressure Chemical Vapor Deposition Furnace	1	161
Baer, D. R., *see* Windisch, C. F., Jr.	9	2343
Bailey, Philip J., *see* Paunovic, Milan	7	1843
Baiocchi, F. A., *see* Georgiou, George E.	5	1351
Bakó, I., *see* Kálmán, E.	12	3357
Balakrishnan, K. S., *see* Garg, Archana	6	1566
Baikus, Kenneth J., Jr., *see* Bedioui, Fethi	11	3049
Bandi, A., *see* Maier, C. U.	1	L4
Banos, L., *see* Godines, J. A.	8	2220
Baránková, H.; Bárdos, L.; Berg, S. Enhancement of the Reactive Deposition Rate of TiN Films at Low Nitrogen Content	1	L8
Baránková, H., *see* Bárdos, L.	2	374
Baranov, I., *see* Lazarouk, S.	9	2556
Barbaro, Cesar; Kötz, Rüdiger Nanoscale Dimensional Changes and Optical Properties of Polyaniline Measured by In Situ Spectroscopic Ellipsometry	4	859
Bard, Allen J., *see* Yau, Shueh-Lin	2	402
Bárdos, L., *see* Baránková, H.	1	L8
Bárdos, L.; Baránková, H.; Nyberg, T.; Berg, S. Deposition of Carbonaceous Films onto Internal Walls of Tubes	2	374
Bardwell, Jennifer A., *see* Davenport, Alison J.	1	L6
Bardwell, Jennifer A., *see* Landheer, D.	5	1309
Barkey, D. P.; Watt, D.; Liu, Z.; Raber, S. The Role of Induced Convection in Branched Electrodeposit Morphology Selection	5	1206
Barman, S. R., *see* Shukla, A. K.	6	1517
Barnes, Mike, *see* Cotler, Tina J.	11	3218
Barret, S., *see* Serre, C.	8	2049
Barthou, Charles; Benoit, J.; Benalloul, P.; Morell, A. Mn2+ Concentration Effect on the Optical Properties of Zn2SiO4:Mn Phosphors	2	524
Bartlett, Terese, *see* Passerini, Stefano	4	1025
Bartrolí, Jordi, *see* Bratov, Andrey	9	L111
Basa, Cathy, *see* Cote, Donna	12	3458
Bateman, J. E., *see* Abdul-Ridha, H. H.	7	1886
Battaglia, Vincent, *see* Newman, John	3	703
Battaglia, Vincent; Newman, John Magnetic Field Effects in High-Power Batteries. II. Time Constant of a Radial Circuit Terminated by a Cylindrical Cell with Inductance	3	708
Bedioui, Fethi; Roue, Lionel; Devynck, Jacques; Balkus, Kenneth J., Jr. Effects of Electrogenerated Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen Complex	11	3049
Behl, Wishvender K., *see* Plichta, E. J.	6	1418
Beklemishev, V. I.; Levenets, V. V.; Makhonin, I. I.; Minazhdinov, M. S.; Seletskaia, I. V. Examination of Si Substrate Surface after Different Chemical Pretreatments by Means of Nulling Ellipsometry	2	554
Bélanger, Daniel, *see* Ye, Siyu	4	L49
Bell, David A.; McConica, Carol M.; Falconer, John L.; Lü, Zhiming Corrosion of Reactor Wall Surfaces by WF6	10	2884
Bellilveau, T. F., *see* Djokic, Stojan S.	8	2103
Bellutti, Pierluigi; Lui, A. Insight into Gate Oxide Thinning	3	750
Benalloul, P., *see* Barthou, Charles	2	524
Bender, H.; Verhaverbeke, S.; Heyns, M. M. Hydrogen Passivation of HF-Last Cleaned (100) Silicon Surfaces Investigated by Multiple Internal Reflection Infrared Spectroscopy	11	3128
Benedict, J., *see* Ransom, Craig	5	1378
Bengtsson, Stefan, *see* Ljungberg, Karin	2	562
Bennion, Douglas N., *see* Stewart, Lance L.	9	2416
Benoit, J., *see* Barthou, Charles	2	524
Benson, David K., *see* Zhang, Ji-Guang	10	2795
Berg, R. W., *see* Qingfeng, Li	11	3114
Berg, S., *see* Baránková, H.	1	L8
Berg, S., *see* Bárdos, L.	2	374
Berger, M.; Schwartsglass, O.; Shappir, J. The Effect of High Temperature Anneal on Electrical Stress-Generated Defects in Metal Oxide Semiconductor Structures	8	2140
Berghoute, Y., *see* Lantelme, F.	12	3306
Bergman, Bil, *see* Lagergren, Carina	11	2959
Bernard, C., *see* Goujard, S.	2	452
Bernard, Marie-Claude; Hugot-Le Goff, Anne Electrochromic Performances of Polyaniline Films during Their Cycling in a pH 3 Electrolyte	10	2682
Bernhardt, Anthony F., *see* Contolini, Robert J.	9	2503
Bernt, H., *see* Lange, P.	1	259
Bierwagen, Gordon P. Calculation of Noise Resistance from Simultaneous Electrochemical Voltage and Current Noise Data	11	L155
Biglo, Laurence; Chang, Peggy Y. Infrared Laser Measurements of HBr near the Filament of a Tungsten Halogen Lamp	8	2024
Birot, D., *see* Rocher, V.	2	535
Bitzer, Th., *see* Dittrich, Th.	12	3595
Bjerrum, Niels J., *see* Christensen, E.	5	1212
Bjerrum, Niels J., *see* Polyakova, L. P.	11	2982
Bjerrum, Niels J., *see* Qingfeng, Li	11	3114

Author	Issue	Page
Björnbom, Pehr, *see* Lundblad, Anders	6	1503
Blanchard, B., *see* Delecinibus, S.	10	2811
Blander, M., *see* Tumidajski, Peter J.	4	895
Blanpain, B., *see* Bredael, E.	1	294
Blasse, G., *see* van Schaik, W.	8	2201
Bleiler, Roger J., *see* Chu, P. K.	12	3453
Blondiaux, G., *see* Goujard, S.	2	452
Böhni, H., *see* Schmuki, P.	2	362
Bond, A. M., *see* Dueber, R. E.	2	311
Bondoc, B., *see* Ciureanu, Mariana	12	3291
Bottari, Frank J., *see* Amick, James A.	6	1577
Bouet, V., *see* Arkam, C.	9	L103
Boujlel, K., *see* Chirchi, L.	9	2283
Boutelllon, J., *see* Gabriel, J. C.	9	2286
Bowmer, T. N., *see* Tarascon, J. M.	6	1421
Bozada, Christopher A., *see* DeSalvo, Gregory C.	12	3526
Branauskas, V., *see* Lopes, M. C. Valente	6	1621
Bratoeva, M., *see* Wouters, G.	2	397
Bratov, Andrey; Abramova, Nataliya; Muñoz, Javier; Domínguez, Carlos; Alegret, Salvador; Bartrolí, Jordi Ion Sensor with Photocurable Polyurethane Polymer Membrane	9	L111
Brayman, John C., *see* Lee, Cynthia C.	8	2245
Bredael, E.; Blanpain, B.; Celis, J. P.; Roos, J. R. On the Amorphous and Crystalline State of Electrodeposited Nickel-Phosphorus Coatings	1	294
Bremner, Thomas; Melchior, H. Local Etch-Rate Control of Masked InP/InGaAsP by Diffusion-Limited Etching	7	1954
Brizzolara, R. A., *see* Mansour, Azzam N.	6	L69
Brossard, L., *see* Los, P.	10	2716
Brossard, Louis, *see* Dumont, H.	5	1225
Brotzen, F. R., *see* Griffin, A. J., Jr.	3	807
Brotzen, F. R., *see* Griffin, Alfred J., Jr.	12	3473
Brown, D. M., *see* De Meo, R. C.	11	L150
Brown, G. A., *see* Alanas'ev, V. V.	10	2801
Brown, J. J., Jr., *see* Shea, Lauren E.	7	1950
Brown, J. J., Jr., *see* Shea, Lauren E.	8	2198
Brown, N., *see* Tsang, L. F.	9	2513
Brown, W. L., *see* Weber, A.	3	849
Bruce, Peter G., *see* Huang, Haitao	7	L76
Bruce, Peter G., *see* Huang, Haitao	9	L106
Brumfield, J. C., *see* Wall, J. F.	1	306
Brumlik, Charles J.; Parthasarathy, Arvind; Chen, Wen-Jang; Martin, Charles R. Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films	9	2273
Bsiesy, A.; Vial, J. C.; Gaspard, F.; Hérino, R.; Ligeon, M.; Mihalcescu, I.; Muller, F.; Romestain, R. Light Emission from Porous Silicon under Photo- and Electroexcitation	11	3071
Buczkowski, Andrzej, *see* Daio, Hiroshi	6	1590
Burckhard, S., *see* Sywe, B. S.	2	510
Burke, L. D.; Morrissey, J. A. Hydrous Oxide Formation on Platinum in Phosphoric Acid Solution	9	2361
Burns, Brent E., *see* Zavracky, Paul M.	11	3182
Burstein, G. T.; Gao, G. The First Stages of Dezincification of Freshly Generated Brass Surfaces in Sulfuric Acid Solution	4	912
Butler, Stefanie Watts, *see* Stefani, Jerry	5	1307
Butturi, Maria Angela, *see* Poggi, Antonella	3	754
Cabrera, Carlos R., *see* Santiago, Yolanda	3	629
Cachet, C.; Wiart, R. Zinc Electrowinning in Acidic Sulfate Electrolytes: Impedance Analysis and Modeling of the Influence of Nickel Impurities	1	131
Cairns, Elton J., *see* Gasteiger, Hubert A.	7	1795
Calabrese, Gary S., *see* Dressick, Walter J.	1	210
Cale, Timothy S., *see* Myers, Frank R.	5	1313
Calvert, Jeffery M., *see* Dressick, Walter J.	1	210
Campbell, J. C., *see* Yau, Shueh-Lin	2	402
Campbell, J. L.; Johnson, K. E. The Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molten Salt System. Expansion of the Electrochemical Window on Proton Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid	3	L19
Campbell, Stephen A., *see* Shang, L.	2	507
Canales, A., *see* Godines, J. A.	8	2220
Cao, Chuan-Bao, *see* Wang, Ji-Tao	1	278
Cao, Chuan-Bao, *see* Wang, Ji-Tao	8	2193
Capuano, G. A., *see* Tamizhmani, G.	1	41
Capuano, G. A., *see* Tamizhmani, G.	9	L132
Capuano, G. A., *see* Tamizhmani, G.	4	958
Carey, James, *see* Feng, Jianren	10	2708
Carim, A. H., *see* Trolier-McKinstry, Susan	9	2483
Carlin, Richard T.; Fuller, Joan; Hedenskoog, Michael Reversible Lithium-Graphite Anodes in Room-Temperature Chloroaluminate Melts	3	L21
Carlin, Richard T.; De Long, Hugh C.; Fuller, Joan; Trulove, Paul C. Dual Intercalating Molten Electrolyte Batteries	7	L73
Carlin, Richard T., *see* Scordilis-Kelley, Charicleа	4	873
Carlin, Richard T., *see* De Long, Hugh C.	4	1000
Carlin, Richard T.; Osteryoung, Robert A. A Silane-Based Electroactive Film Prepared in an Imidazolium Chloroaluminate Molten Salt	7	1709
Carmeli, Yaakov, *see* Aurbach, Doron	3	603
Carotta, Maria Cristina, *see* Poggi, Antonella	3	754
Carpenter, R. W., *see* Chiou, Herng-Der	7	1856
Carter, Michael T.; Osteryoung, Robert A. Heterogeneous and Homogeneous Electron Transfer Reactions of Tetrathiafulvalene in Ambient Temperature Chloroaluminate Molten Salts	7	1713
Carter, R. J.; Schneider, T. P.; Montgomery, J. S.; Nemanich, R. J. In Situ Remote H-Plasma Cleaning of Patterned Si-SiO2 Surfaces	11	3136
Cartuyvels, R., *see* Verhaverbeke, Steven	10	2852
Casillas, Norberto; Charlebois, Steven J.; Smyrl, William H.; White, Henry S. Pitting Corrosion of Titanium	3	636
Cassir, Michel, *see* Malinowska, Barbara	8	2015
Cattarin, Sandro; Dietz, N.; Lewerenz, H. J. CuInS2 with Lamellar Morphology. I. Efficient Photoanodes in Acidic Polyiodide Medium	5	1095
Cattarin, Sandro; Guerriero, P.; Razzini, G.; Lewerenz, H. J. CuInS2 with Lamellar Morphology. II. Photoelectrochemical Behavior of Heterogeneous Material	5	1100
Celis, J. P., *see* Haseeb, A. S. M. A.	1	230
Celis, J. P., *see* Bredael, E.	1	294
Celis, J. P., *see* Ye, Xingpu	10	2698
Celis, J.-P., *see* Wouters, G.	2	397
Cerny, F., *see* Svorcik, V.	2	582
Chan, Y. D., *see* Gu, Tieer	11	3230
Chandler-Henderson, Robin R.; Coffer, Jeffery L.; Files-Sesler, Leigh Ann The Impact of Sonication on the Structure and Properties of Stain-Etch Porous Silicon	12	L166
Chandra, Dhanesh; Helms, Jeffrey H.; Majumdar, Amitav Ionic Conductivity in Ordered and Disordered Phases of Plastic Crystals	7	1921
Chang, C. Y., *see* Lin, H. C.	9	2559
Chang, Peggy Y., *see* Bigio, Laurence	8	2024
Chang, T. C., *see* Lin, H. C.	9	2559
Chang, W. H. S., *see* Plichta, E. J.	6	1416
Chao, Tien Sheng; Lee, Chung Len; Lei, Tan Fu Multiple-Angle Incident Ellipsometry Measurement on Low Pressure Chemical Vapor Deposited Amorphous Silicon and Polysilicon	8	2146
Chapman, P., *see* Chieh, Y. S.	6	1585
Charatan, R. M., *see* Weber, A.	3	849
Charlebois, Steven J., *see* Casillas, Norberto	3	636
Chassaing, E.; Sapoval, B. Electrochemical Impedance of Blocking Quasi-Fractal 3-d Electrodes	10	2711
Chatterjee, Ajay, *see* Nicollian, Edward H.	12	3580
Chaudhry, Samir; Law, Mark E. Effects of Low Dose Silicon, Carbon, and Oxygen Implantation Damage on Diffusion of Phosphorus in Silicon	12	3516
Chaudhuri, J., *see* Sywe, B. S.	2	510
Cheh, Huk Y., *see* Podlaha, E. J.	1	15
Cheh, Huk Y., *see* Podlaha, E. J.	1	28
Cheh, Huk Y., *see* Podlaha, E. J.	7	1751
Chen, Bin-Shing; Chen, Mao-Chieh Dielectrics Degradation of Alpha-Si/Co/SiO2/Si Structure during Furnace Annealing	7	1931
Chen, C. C.; Rajeshwar, K. Chemical Attack on Polypyrrole by Electrolytically Generated Solution Species in Aqueous Chloride Medium	11	2942
Chen, C., *see* Frese, Karl W., Jr.	9	2402
Chen, C., *see* Frese, Karl W., Jr.	12	3375
Chen, Chun-Lin, *see* Yeh, Ching-Fa	11	3177
Chen, Chyuan-Wei; Wu, Meng-Chyi; Yeh, Yung-Hui Luminescence Characterization of In0.12Ga0.88As0.34P0.66 Grown on GaAs0.61P0.39 Substrates by Liquid-Phase Epitaxy	8	2211
Chen, K. M., *see* Lian, Syh-Ming	9	2374
Chen, K. Y., *see* Shen, P. K.	7	1758
Chen, Linlin; Guay, Daniel Selected Dissolution of Aluminum Initiated by Atomic Force Microscope Tip-Surface Interaction	4	L43
Chen, Mao-Chieh, *see* Chen, Bin-Shing	7	1931
Chen, Mao-Chieh, *see* Chiou, Jung-Chao	10	2804
Chen, W. H., *see* Lin, H. C.	9	2559
Chen, Wen-Jang, *see* Brumlik, Charles J.	9	2273
Chen, Yi, *see* Chiou, Herng-Der	7	1856
Chen, Yufei; Evans, James W. Three-Dimensional Thermal Modeling of Lithium-Polymer Batteries under Galvanostatic Discharge and Dynamic Power Profile	11	2947
Chiba, K., *see* Maeno, Matagoro	10	2649
Childsey, C. E. D., *see* Law, Henry H.	7	1977
Chieh, Y. S.; Krusius, J. Peter; Chapman, P. Chemically Assisted Ion Beam Etching for Silicon-Based Microfabrication	6	1585
Chigane, Masaya; Ishikawa, Masami Enhanced Electrochromic Property of Nickel Hydroxide Thin Films Prepared by Anodic Deposition	12	3439
Chin, Der-Teu, *see* Karakus, C.	3	691
Chiou, Herng-Der Improving Axial Oxygen Precipitation Uniformity in CZ Silicon Crystals Using the S-Curve Concept	1	173
Chiou, Herng-Der; Chen, Yi; Carpenter, R. W.; Jeang, J. Warpage and Oxygen Precipitate Distributions in CZ Silicon Wafers	7	1856
Chiou, Jung-Chao; Chen, Mao-Chieh Thermal Stability of Cu/CoSi2 Contacted p+n Shallow Junction with and without TiW Diffusion Barrier	10	2804
Chirchi, L.; Boujlel, K.; Hajjem, B.; Baccar, B. Electrochemical Oxidation of 4,5-Dihydro-1,2,4-triazin-6-one Derivatives at Carbon Electrode in Acetonitrile	9	2283
Cho, K., *see* Kim, Hye Dong	12	3572
Choi, Byung Ho, *see* Lee, Yong Eui	2	558
Choi, Hee-Seok; Rhee, Shi-Woo Effect of Carrier Gases on the Chemical Vapor Deposition of Tungsten from WF6-SiH4	2	475
Chonko, Mark A.; Khamankar, Rajesh; Tiwald, Tom; Allen, Tom; Vasquez, Barbara Measurement of Mobile Ion Contamination in Multilayer Metallization by Triangular Voltage Sweep	7	1862
Chou, Jenq-Shiuh; Lee, Si-Chen The Initial Growth Mechanism of Silicon Oxide by Liquid-Phase Deposition	11	3214
Chou, Kuo C., *see* Yuan, Shi	2	467
Chovelon, J. M., *see* Rocher, V.	2	535
Chow, T. Paul, *see* De Meo, R. C.	11	L150
Chow, T. Paul, *see* Tyagi, Ritu	8	2188
Christensen, E.; Wang, Xindong; von Barner, J. H.; Ostvold, T.; Bjerrum, Niels J. The Influence of Oxide on the Electrodeposition of Niobium from Alkali Fluoride Melts	5	1212
Christensen, E., *see* Polyakova, L. P.	11	2982
Chu, C. Judith, *see* Pan, Chenyu	11	3246
Chu, Deryn; Gilman, Sol The Influence of Methanol on O2 Electroreduction at a Rotating Pt Disk Electrode in Acid Electrolyte	7	1770
Chu, P. K.; Bleiler, Roger J.; Metz, Jenny M. Determination of Sub-Parts per Billion Boron Contamination in N+ Czochralski Silicon Substrates by SIMS	12	3453
Chu, S. N. G.; Logan, R. A.; Ha, N. T.; Nakahara, S.; Karlicek, R. F., Jr.; Grenko, J. A. Fe Incorporation and Precipitation in Semi-Insulating Fe-Doped InP Grown by Metalorganic Chemical Vapor Deposition	1	242
Chun, S. J., *see* Ramam, A.	2	576
Chusid (Youngman), O., *see* Aurbach, Doron	3	603
Ciureanu, M., *see* Yang, Q. M.	8	2108
Ciureanu, M., *see* Yang, Q. M.	8	2113
Ciureanu, Mariana; Yang, Quan Min; Ryan, Dominic H.; Ström-Olsen, John O. Electrochemical Adsorption-Desorption of Hydrogen on Amorphous Ni40Nb60 in Alkaline Media	9	2430
Ciureanu, Mariana; Ström-Olsen, John O.; Ryan, Dominic H.; Rudkowski, P.; Rudkowska, G.; Bondoc, B. Rapidly Quenched Ni64Zr36 Fiber Anodes for Ni/Hydride Rechargeable Batteries	12	3291
Claeys, C.; Simoen, E. The Perspectives of Silicon-On-Insulator Technologies for Cryogenic Applications	9	2522
Clark, K. B., *see* Landheer, D.	5	1309
Clayton, A. C., *see* Periasamy, Ravi	6	1649

Author	Issue	Page
Cleij, Thomas J., *see* Meulenkamp, Eric A.	5	1157
Clevenger, L. A., *see* Mann, Randy W.	5	1347
Coble, H. Dwain, *see* Dasarathy, Harini	7	1773
Cocivera, Michael, *see* Gheorghita, Ligia	2	529
Cockrum, C. A., *see* de Lyon, Terry J.	10	2888
Codd, B. P., *see* Kronenberg, Marvin L.	10	2587
Cofler, Jeffery L., *see* Chandler-Henderson, Robin R.	12	L166
Comizzoli, Robert B., *see* Schnable, George L.	11	3250
Conley, Willard; Eib, Nicholas; Plat, Marina; Smith, Randolph	4	1034
Characterization Enhancements in Resist Photospeed		
Conner, William T., *see* Dalton, Timothy J.	7	1893
Conrad, K. A., *see* Sampson, R. K.	2	539
Conrad, K. A., *see* Sampson, R. K.	3	737
Contolini, Robert J.; Bernhardt, Anthony F.; Mayer, Steven T.	9	2503
Electrochemical Planarization for Multilevel Metallization		
Conway, Brian E., *see* Djokic, Stojan S.	8	2103
Cooper, K. J., *see* Roth, Scott S.	8	2178
Coowar, F., *see* Tarascon, J. M.	6	1421
Coronell, Daniel G.; Jensen, Klavs F.	2	496
A Monte Carlo Simulation Study of Radiation Heat Transfer in the Multiwafer LPCVD Reactor		
Coronell, Daniel G.; Jensen, Klavs F.	9	2545
Simulation of Rarefied Gas Transport and Profile Evolution in Nonplanar Substrate Chemical Vapor Deposition		
Correia, J. P., *see* Abrantes, Luisa M.	9	2356
Costa, D., *see* Yang, W. P.	1	111
Costa, D., *see* Yang, W. P.	10	2669
Cota-Araiza, L., *see* Falcony, Ciro	10	2860
Cote, Donna; Nguyen, Son; Dobuzinsky, David; Basa, Cathy; Neureither, Bernhard	12	3456
High Selectivity Magnetically Enhanced Reactive Ion Etching of Boron Nitride Films		
Cotler, Tina J.; Forster, John; Barnes, Mike; Kocon, Walter	11	3218
Plasma Induced Damage in a Planar Inductively Coupled Etch Reactor		
Coury, Louis A., Jr., *see* Madigan, Nannette A.	3	L23
Crandall, R. S., *see* Zhang, Ji-Guang	10	2795
Croce, Fausto; Passerini, Stefano; Scrosati, Bruno	6	1405
Ambient Temperature Lithium Polymer Rocking-Chair Batteries		
Cros, Y., *see* Rocher, V.	2	535
Cui, C. Q.; Lee, Jim Y.	8	2030
Effects of Oxygen Reduction on Nickel Deposition from Unbuffered Aqueous Solutions I. Deposition Process and Deposit Structure		
Cutlerywala, H.; Roedel, Ronald J.	6	1639
The Use of Anodic Oxide Films to Control the Diffusion of Zinc in GaAs		
Czanderna, A. W., *see* Zhang, Ji-Guang	10	2795
Da Costa, W.; Gleeson, B.; Young, D. J.	6	1464
Codeposited Chromium-Aluminide Coatings. I. Definition of the Codeposition Regimes		
Da Costa, W.; Gleeson, B.; Young, D. J.	10	2690
Codeposited Chromium-Aluminide Coatings. II. Kinetics and Morphology of Coating Growth		
Da Cunha Belo, M., *see* Lorang, G.	12	3347
Dahn, Jeff R., *see* Way, B. M.	4	907
Dahn, Jeff R., *see* Li, W.	9	2310
Dahn, Jeffery R., *see* Weydanz, W. J.	4	900
Dahn, Jeffrey R., *see* Fey, George Ting-Kuo	9	2279
Daio, Hiroshi; Buczkowski, Andrzej; Shimura, Fumio	6	1500
Lifetime Study of Metastable Surface Recombination Centers in n-Type Silicon Wafers		
Dalton, Timothy J.; Conner, William T.; Sawin, Herbert H.	7	1893
Interferometric Real-Time Measurement of Uniformity for Plasma Etching		
Dalvie, M., *see* Hamaguchi, Satoshi	7	1964
Damaskinos, S., *see* Gu, Z. H.	11	L153
Dang Van, Tan; Segers, Luc; Winand, René	4	927
Determination of Thermodynamic Properties of Ternary Al-Cu-Zn Alloys by Electromotive Force Method		
Dartius, Mark L., *see* Morton, Susan L.	1	122
Dasarathy, Harini; Riley, Clyde; Coble, H. Dwain	7	1773
Electrodeposition of Cobalt-Chromium Alloy from Trivalent Chromium Solutions		
Datta, R. K., *see* Shea, Lauren E.	7	1950
Datta, R. K., *see* Shea, Lauren E.	8	2198
Davenport, A. J., *see* Frankel, G. S.	1	83
Davenport, Alison J.; Sansome, Michael; Bardwell, Jennifer A.; Aldykiewicz, Antonio J., Jr.; Taube, Michelle; Vitus, Carissima M.	1	L6
In Situ Multielement XANES Study of Formation and Reduction of the Oxide Film on Stainless Steel		
Davenport, Alison J., *see* Vitus, Carissima M.	5	1291
Davidson, J. L., *see* Kang, W. P.	8	2231
Davidson, J. L.; Shor, J. S.; Wur, D.; Kurtz, A. D.	12	3522
Diamond Resistors Fabricated Monolithically on Diamond Film Substrate		
Deal, Michael D., *see* Lee, Cynthia C.	8	2245
de Anda, F., *see* Godines, J. A.	8	2220
Deb, Satyen K., *see* Zhang, Ji-Guang	10	2795
Deblemme-Chouvy, C., *see* Marin, F. Iranzo	9	2409
De Bonte, Marc, *see* Ye, Xingpu	10	2698
Debrun, J. L., *see* Goujard, S.	2	452
De Cesare, G., *see* Lazarouk, S.	9	2556
Decker, F., *see* Gerischer, H.	9	2297
DeGelormo, J. F., *see* Ransom, Craig	5	1378
De Giglio, E., *see* Torsi, L.	10	2608
De Jonghe, L. C., *see* Doeff, Marca M.	11	L145
Dekker, J. P., *see* Moene, R.	1	282
Dekker, Jan Pieter; van der Put, P. J.; Veringa, H. J.; Schoonman, J.	3	787
A Kinetic Study of Titanium Nitride Chemical Vapor Deposition Using Nitrogen, Hydrogen, and Titanium Tetrachloride		
de Kock, A., *see* Ferg, E.	11	L147
Delabouglise, G., *see* Schmatz, U.	11	3254
Delseribus, S.; Martin, F.; Blanchard, B.; Ermolieff, A.; Papon, A. M.	10	2811
Optimization of Ultrathin Gate Oxide in a SILO/RTN Isolation Process for Advanced ULSI. Introducing a New Concept of Surface Gettering		
Delmas, Claude, *see* Demourgues-Guerlou, Liliane	3	713
De Long, Hugh C., *see* Carlin, Richard T.	7	L73
De Long, Hugh C.; Wilkes, J. S.; Carlin, Richard T.	4	1000
Electrodeposition of Palladium and Adsorption of Palladium Chloride onto Solid Electrodes from Room Temperature Molten Salts		
de Lyon, Terry J.; Johnson, S. M.; Cockrum, C. A.; Wu, O. K.; Hamilton, W. J.; Kamath, G. S.	10	2888
CdZnTe on Si(001) and Si(112): Direct MBE Growth for Large-Area HgCdTe Infrared Focal-Plane Array Applications		
de Melo, O., *see* Hernández, L.	11	3238
De Meo, R. C.; Wang, T. K.; Chow, T. Paul; Brown, D. M.; Matus, L. G.	11	L150
Thermal Oxidation of SiC in N2O		
de Mierry, P.; Etcheberry, A.; Rizk, R.; Etchegoin, P.; Aucouturier, M.	6	1539
Defects Induced in p-Type Silicon by Photocathodic Charging of Hydrogen		
Demourgues-Guerlou, Liliane; Delmas, Claude	3	713
Effect of Iron on the Electrochemical Properties of the Nickel Hydroxide Electrode		
Derrien, J., *see* Mouche, Laurent	6	1684
de S. Bulhoes, L.-O., *see* Faria, Ronaldo C.	3	L29
DeSalvo, Gregory C.; Kaspi, Ron; Bozada, Christopher A.	12	3526
Citric Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure Device Fabrication		
Desatnik, Nathan; Thompson, Brian E.	12	3532
Nucleation on SiO2 during the Selective Chemical Vapor Deposition of Tungsten by the Hydrogen Reduction of Tungsten Hexafluoride		
Deshmukh, L. P.; Holikatti, S. G.; Rane, B. P.; More, B. M.; Hankare, P. P.	7	1779
Preparation and Properties of Sb2S3 Thin Films for Photoelectrochemical Applications		
Desmond, Cynthia A.; Hunt, Charles E.; Farrens, Shari N.	1	178
The Effects of Process-Induced Defects on the Chemical Selectivity of Highly Doped Boron Etch Stops in Silicon		
De Vidts, P., *see* Mao, Z.	1	54
Devine, Thomas M., *see* Oblonsky, L. J.	12	3312
Devynck, Jacques, *see* Malinowska, Barbara	8	2015
Devynck, Jacques, *see* Bedioui, Fethi	11	3049
de Wit, J. H. W., *see* Vossen, Jack P. T.	11	3040
de Wit, J. H. W., *see* Makkus, R. C.	12	3429
de With, G., *see* Severin, J. W.	3	816
Dickens, P. G., *see* Dueber, R. E.	2	311
Dietz, N., *see* Cattarin, Sandro	5	1095
Di Francia, G.; Salerno, A.	3	609
Electrical Charge and HF Concentration Effect on Porous Silicon Formation		
Ditali, Akram, *see* Mathews, Viju K.	4	1066
Dittrich, Th.; Angermann, H.; Flietner, H.; Bitzer, Th.; Lewerenz, H. J.	12	3595
Surface Electronic Properties of Electrolytically Hydrogen Terminated Si(111)		
Dixit, Mridula, *see* Kamath, P. Vishnu	11	2956
Dixon, A. E., *see* Gu, Z. H.	11	L153
Djokic, Stojan S.; Conway, Brian E.; Belliveau, T. F.	8	2103
A Chronoamperometric Study of Anodic Processes at Various Types of Carbon Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic Production of Aluminum		
Do, Quang Tho, *see* Le Guillanton, Georges	2	316
Dobuzinsky, David, *see* Cote, Donna	12	3456
Dodelet, J. P., *see* Tamizhmani, G.	1	41
Doeff, Marca M.; Peng, Marcus Y.; Ma, Yanping; De Jonghe, L. C.	11	L145
Orthorhombic NaxMnO2 as a Cathode Material for Secondary Sodium and Lithium Polymer Batteries		
Domínguez, Carlos, *see* Bratov, Andrey	9	L111
Dona, J. M.; Herrero, J.	1	205
Process and Film Characterization of Chemical-Bath-Deposited ZnS Thin Films		
Donchev, V., *see* Germanova, K.	9	2533
Donovan, R. P., *see* Periasamy, Ravi	6	1649
Donovan, R. P., *see* Periasamy, Ravi	6	1653
Dons, E., *see* Weber, A.	3	849
Doremus, Robert H., *see* Kao, Shou-Chen	7	1832
Dorrestijn, E., *see* van Schaik, W.	8	2201
Doyle, Marc, *see* Fuller, Thomas F.	1	1
Doyle, Marc, *see* Fuller, Thomas F.	4	982
Drescher, K., *see* Preuss, A.	10	2784
Dressick, Walter J.; Dulcey, Charles S.; Georger, Jacque H., Jr.; Calabrese, Gary S.; Calvert, Jeffery M.	1	210
Covalent Binding of Pd Catalysts to Ligating Self-Assembled Monolayer Films for Selective Electroless Metal Deposition		
Duchateau, J. P. W. B., *see* Torrisi, Alberto	2	519
Dueber, R. E.; Bond, A. M.; Dickens, P. G.	2	311
Cyclic Voltammetry of the Uranyl Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in Weakly Acidic and Neutral Solutions		
Dulcey, Charles S., *see* Dressick, Walter J.	1	210
Dumont, H.; Los, P.; Brossard, Louis; Ménard, H.	5	1225
Influence of Physicochemical Properties of Alkaline Solutions and Temperature on the Hydrogen Evolution Reaction on Porous Lanthanum-Phosphate-Bonded Nickel Electrodes		
Dunn, C. F., *see* Griffin, A. J., Jr.	3	807
Dunn, C. F., *see* Griffin, Alfred J., Jr.	12	3473
Duquette, D. J., *see* Steigerwald, J. M.	12	3512
Earles, Tom, *see* Zavracky, Paul M.	11	3182
Edgar, J. H., *see* Sywe, B. S.	2	510
Edgar, Thomas F., *see* Badgwell, Thomas A.	1	161
Edgar, Thomas F., *see* Toprac, Anthony J.	6	1658
Efimov, I. O., *see* Oltra, R.	7	1838
Eftekhari, G.	1	299
Electrical Conduction Through Anodic Oxides on Sulfur Passivated InP		
Eftekhari, G.	11	3222
Effects of Oxide Thickness and Oxidation Parameters on the Electrical Characteristics of Thin Oxides Grown by Rapid Thermal Oxidation of Si in N2O		
Egan, Erik W.; Tobias, Charles W.	5	1118
Measurement of Interfacial Re-equilibration during Hydrogen Bubble Coalescence		
Egashira, Makoto, *see* Feng, Chang Dong	1	220
Egashira, Makoto, *see* Takao, Yuji	4	1028
Ehara, Shaw, *see* Mizusaki, Junichiro	8	2129
Eib, Nicholas, *see* Conley, Willard	4	1034
Ein-Eli, Yair, *see* Aurbach, Doron	3	603
Ein-Ely, Yair, *see* Aurbach, Doran	1	L1
Ekerdt, John G., *see* Johannes, Justine E.	8	2135
El-Abd, M. Z., *see* Sedahmed, G. H.	2	437
El-Anadouli, B. E., *see* El-Shakre, M. E.	2	441
Ellerbrock, David J.; Macdonald, Digby D.	10	2645
Passivity Breakdown on Solid Versus Liquid Gallium		
Elothmani, Driss, *see* Le Guillanton, Georges	2	316
El-Shakre, M. E.; Saleh, M. M.; El-Anadouli, B. E.; Ateya, Badr G.	2	441
Applications of Porous Flow-Through Electrodes. V. Electrowinning of Zinc from Flowing Alkaline Zincates at Packed-Bed Electrodes		
El-Taweel, Y. A., *see* Sedahmed, G. H.	2	437
Endoh, Toshiaki,		

Author	Issue	Page
see Kamal, Abu Hena Mostafa	8	2227
Endrst, R., *see* Svorcik, V.	2	582
Engelhard, M. H., *see* Windisch, C. F., Jr.	9	2343
Engelhardt, M., *see* Hübner, H.	9	2453
Ensor, D. S., *see* Periasamy, Ravi	6	1649
Ensor, D. S., *see* Periasamy, Ravi	6	1653
Eom, C. B., *see* Tong, Q.-Y.	10	L137
Ericson, F., *see* Hjort, K.	11	3242
Ermolieff, A., *see* Deleonibus, S.	10	2811
Essalik, A., *see* Savadogo, O.	8	L92
Estrada, César A.; Nair, P. K.; Nair, M. T. S.; Zingaro, Ralph A.; Meyers, Edward A. Chemical Bath Deposition of ZnSe and CuSe Thin Films Using N,N-Dimethylselenourea	3	802
Etcheberry, A., *see* de Mierry, P.	6	1539
Etcheberry, Arnaud, *see* Marin, F. Iranzo	9	2409
Etchegoin, P., *see* de Mierry, P.	6	1539
Evans, Brian, *see* Yau, Shueh-Lin	2	402
Evans, D. R., *see* Wu, J.	10	2915
Evans, David R.; Leet, David M. 3% Ti-Tungsten Diffusion Barriers. I. A Discussion of the Role of the A15 Structure	7	1857
Evans, James W., *see* Chen, Yufei	11	2947
Evans, W. Thomas; Schlesinger, M. The Effect of Solution pH and Heat-Treatment on the Properties of Electroless Nickel Boron Films	1	78
Exarhos, Gregory J., *see* Josowicz, Mira	12	L162
Eyman, L. Michael, *see* Runnels, Scott R.	6	1698
Fahidy, Thomas Z., *see* Gu, Z. H.	11	L153
Fahrner, W. R.; Löffler, S.; Klausmann, E.; Neitzert, H. C. Determination of Generation Lifetime in Trap-Rich and Layered Semiconductors by Metal Oxide Semiconductor Measurements	6	2151
Fahrner, W. R., *see* Neitzert, H. C.	9	2474
Falconer, John L., *see* Bell, David A.	10	2884
Falcony, Ciro; Garcia, M.; Ortiz, A.; Miranda, O.; Gradilla, I.; Soto, G.; Cota-Araiza, L.; Farias, M. H.; Alonso, J. C. Blue Photoluminescence from CeCl3 Doped Al2O3 Films	10	2860
Fan, Chonglun; Piron, D. L.; Sleb, Abderrahman; Paradis, P. Study of Electrodeposited Nickel-Molybdenum, Nickel-Tungsten, Cobalt-Molybdenum, and Cobalt-Tungsten as Hydrogen Electrodes in Alkaline Water Electrolysis	2	382
Fan, G. H., *see* Abdul-Ridha, H. H.	7	1886
Fan, Qinbai; Ng, Lily M. In Situ FTIR-ATR Study of p-Silicon Photoelectrode/Potassium Ferri-Ferrocyanide Electrolyte Interface	12	3369
Fang, Z.-Q., *see* Look, David C.	3	747
Farahani, M. M.; Garg, S.; Moore, B. T. A Study of Electrical, Metallurgical, and Mechanical Behaviors of Rapid Thermal Processed Ti Films in NH3	2	479
Faria, Ronaldo C.; de S. Bulhoes, L.-O. A Novel Synthetic Route to Nb2O5 Thin Films for Electrochromic Devices	3	L29
Farias, M. H., *see* Falcony, Ciro	10	2860
Farkas, J.; Hampden-Smith, M. J.; Kodas, T. T. FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition Precursors on Silica. III.	12	3539
Farkas, J.; Hampden-Smith, Mark J.; Kodas, T. T. FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition Precursors on Silica. IV.	12	3547
Farrens, Shari N., *see* Desmond, Cynthia A.	1	178
Farrens, Shari N., *see* Folta, James A.	8	2157
Farrens, Shari N.; Hunt, C. E.; Roberds, B. E.; Smith, J. K. A Kinetics Study of the Bond Strength of Direct Bonded Wafers	11	3225
Farrington, Gregory C., *see* Kowal, K.	1	116
Faulkner, Larry R., *see* Ingersoll, David	1	140
Fawcett, W. Ronald; Fedurco, Milan; Kovácová, Zuzana Double Layer Effects Associated with Surface Reconstruction on an Au(100) Electrode	3	L30
Fazan, Pierre C., *see* Mathews, Viju K.	4	1066
Fedkiw, Peter S., *see* Ye, Jian-Hui	6	1483
Fedurco, Milan, *see* Fawcett, W. Ronald	3	L30
Fei, Z.; Hudson, J. L.; Kelly, Robert G. A Low-Noise Contact for Rotating Electrodes	9	L123
Feldman, L. C., *see* Miller, Barry	4	L41
Felhosi, I., *see* Kálmán, E.	12	3357
Feng, Chang Dong; Shimizu, Yasuhiro; Egashira, Makoto Effect of Gas Diffusion Process on Sensing Properties of SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by Sol-Gel Process	1	220
Feng, Jianren; Johnson, Dennis C.; Lowery, Stephen N.; Carey, James Electrocatalysis of Anodic Oxygen-Transfer Reactions. Evolution of Ozone	10	2708
Feng, M. S.; Liang, J. W.; Tseng, David Effects of Plasma-Enhanced Chemical Vapor Deposition Substrate Heating on the Electrical Properties of Alpha-Si:H Thin Film Transistors	4	1040
Feng, M. S., *see* Hsieh, I. J.	6	1617
Feng, Qi; Kanoh, Hirofumi; Ooi, Kenta; Tani, Masato; Nakacho, Y. Synthesis of Hollandite-Type Manganese Dioxide with H+ Form for Lithium Rechargeable Battery	10	L135
Fenton, James M., *see* Tatapudi, Pallav	5	1174
Ferg, E.; Gummow, R. J.; de Kock, A.; Thackeray, Michael M. Spinel Anodes for Lithium-Ion Batteries	11	L147
Ferrari, Aldo, *see* Lazarouk, S.	9	2556
Ferreira, M. G. S., *see* Lorang, G.	12	3347
Feurer, R., *see* Wang, Y. B.	3	824
Fey, George Ting-Kuo; Li, Wu; Dahn, Jeffrey R. LiNiVO4: A 4.8 Volt Electrode Material for Lithium Cells	9	2279
Files-Sesler, Leigh Ann, *see* Chandler-Henderson, Robin R.	12	L166
Fitch, Jon T. Selectivity Mechanisms in Low Pressure Selective Epitaxial Silicon Growth	4	1046
Fletcher, Stephen Tables of Degenerate Electrical Networks for Use in the Equivalent-Circuit Analysis of Electrochemical Systems	7	1833
Flietner, H., *see* Dittrich, Th.	12	3595
Fogler, H. Scott, *see* Robertson, Eric A., III	10	2893
Folta, James A.; Hunt, Charles E.; Farrens, Shari N. Low-Temperature Wafer Bonding of Surfaces Using a Reactive Sputtered Oxide	8	2157
Fonash, S. J., *see* Gu, Tiger	11	3230
Forland, T., *see* Grimstvedt, A.	5	1236
Forster, John, *see* Cotler, Tina J.	11	3218
Fotty, V., *see* Krasteva, N.	10	2864
Foulkes, Frank R., *see* Sugishima, Noboru	12	3325
Foulkes, Frank R., *see* Sugishima, Noboru	12	3332
Fournier, J., *see* Los, P.	10	2716
Frank, Arthur J., *see* Mao, Duli	5	1231
Frankel, G. S.; Schrott, A. G.; Davenport, A. J.; Isaacs, H. S.; Jahnes, C. V.; Russak, M. A. X-Ray Absorption Study of Electrochemically Grown Oxide Films on AlCr Sputtered Alloys. II. In Situ Studies	1	83
Frankenthal, R. P., *see* Lobnig, R. E.	11	2935
Franzen, Hugo F., *see* He, Lin	4	1014
Freidman, R. A., *see* Mao, Bor-Yan	4	1082
Frese, Karl W., Jr.; Chen, C. Hot Electron Reduction at Etched n-Si/Pt Thin Film Electrodes	9	2402
Frese, Karl W., Jr.; Chen, C. Analysis of Current/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence for Hot Electron Reduction	12	3375
Friedt, Jean Marie, *see* Morin, Michel	1	274
Fujii, Takashi, *see* Yae, Shinji	11	3090
Fujimori, K., *see* Tamaki, J.	8	2207
Fujishima, Akira, *see* Yoshiki, Hajime	5	L56
Fujishima, Akira, *see* Saeki, Tomonori	9	L130
Fujitani, Morio, *see* Yae, Shinji	11	3090
Fukuda, Tetsuo; Koizuka, Masaaki; Ohsawa, Akira A Czochralski Silicon Growth Technique Which Reduces Carbon to the Order of 10^14 per Cubic Centimeter	8	2216
Fukunaka, Y.; Aikawa, S.; Asaki, Z. Fundamental Study on Electrodeposition of Co and Co-P Films	7	1783
Fukushima, Ryousuke, *see* Ishihara, Yoshio	1	246
Fuller, Joan, *see* Carlin, Richard T.	3	L21
Fuller, Joan, *see* Carlin, Richard T.	7	L73
Fuller, Thomas F.; Doyle, Marc; Newman, John Simulation and Optimization of the Dual Lithium Ion Insertion Cell	1	1
Fuller, Thomas F.; Doyle, Marc; Newman, John Relaxation Phenomena in Lithium-Ion-Insertion Cells	4	982
Fultz, B., *see* Ratnakumar, B. V.	8	L80
Furtak, T. E.; Wang, L.; Pant, J.; Pansewicz, K.; Hayes, T. M. Structure of the Copper-Monolayer/Platinum-Electrode Interface as Measured by In Situ X-Ray Absorption Spectroscopy	9	2369
Furuichi, Ryusaburo, *see* Tamura, Hiroki	8	2035
Furumura, Y., *see* Mieno, F.	8	2166
Gabriel, J. C.; Bouteillon, J.; Poignet, J. C.; Roman, J. M. Electrochemistry of Molybdenum Solutions in Molten LiCl-KCl Eutectic at 500 C	9	2286
Gabrielli, C.; Tribollet, B. A Transfer Function Approach for a Generalized Electrochemical Impedance Spectroscopy	5	1147
Gabrielli, Claude, *see* Arkam, C.	9	L103
Gabrielli, Claude, *see* Ogle, Kevin M.	10	2655
Gamo, Takaharu, *see* Hatoh, Kazuhito	7	1725
Gang, Xiao, *see* Qingfeng, Li	11	3114
Gao, G., *see* Burstein, G. T.	4	912
García, M. P.; Gómez, M. M.; Salvarezza, R. C.; Arvia, A. J. Kinetics of Roughness Relaxation at Gold Electrodes	9	2291
Garcia, M., *see* Falcony, Ciro	10	2860
Garden, J., *see* Schmatz, U.	11	3254
Gardin, Denis, *see* Stanners, Colin D.	11	3278
Garg, Archana; Balakrishnan, K. S.; Rastogi, A. C. Structural Properties and Growth Mechanism of Copper and Indium Selenide Films Prepared by Electrochemical Selenization of Metal Layers	6	1566
Garg, S., *see* Farahani, M. M.	2	479
Garrido, Javier, *see* Hernandez, M. J.	11	3234
Gaspard, F., *see* Bsiesy, A.	11	3071
Gasteiger, Hubert A.; Markovic, Nenard; Ross, Philip N., Jr.; Cairns, Elton J. Temperature-Dependent Methanol Electro-oxidation on Well-Characterized Pt-Ru Alloys	7	1795
Gauckler, L. J., *see* Sasaki, K.	10	2759
Georger, Jacque H., Jr., *see* Dressick, Walter J.	1	210
Georgiadou, Maria; Alkire, Richard Anisotropic Chemical Pattern Etching of Copper Foil. III. Mathematical Model	3	679
Georgiou, George E.; Abiko, H.; Baiocchi, F. A.; Ha, N. T.; Nakahara, S. Thermal Stability Limits of Thin TiSi2. Effect on Submicron Line Resistance and Shallow Junction Leakage	5	1351
Gerischer, H.; Decker, F.; Scrosati, Bruno The Electronic and Ionic Contributions to the Free Energy of Alkali Metals in Intercalation Compounds	9	2297
Germanova, K.; Donchev, V.; Ivanov, I.; Zhaleva, N.; Hardalov, Ch. Spectral Behavior of Zero-Bias Photocurrent at Low Temperature in Bulk Semi-Insulating GaAs:Cr	9	2533
Gharbage, B.; Pagnier, T.; Mammou, A. Oxygen Reduction at La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia Interface Studied by Impedance Spectroscopy	8	2118
Gheorghita, Ligia; Cocivera, Michael; Nelson, Art J.; Swartzlander, A. B. Formation of a Silver-Rich Surface Layer on Electrodeposited CdTe	2	529
Ghezzo, Mario, *see* Tyagi, Ritu	8	2188
Gibbons, D. W., *see* Gopal, Ram	10	2918
Gilbert, James B., II, *see* Lloyd, Charles L.	10	2642
Gileadi, E., *see* Kirowa-Eisner, E.	5	1183
Gill, William N., *see* Kim, Eui Jung	12	3462
Gilman, Sol, *see* Chu, Deryn	7	1770
Giordano, N., *see* Shukla, A. K.	6	1517
Gleeson, B., *see* Da Costa, W.	6	1464
Gleeson, B., *see* Da Costa, W.	10	2690
Glenn, David F.; Ingram, J. C. Electrodeposition at an Ice-Coated Electrode	9	L113
Glynn, Phil, *see* Roy, Sudipto R.	8	2257
Godines, J. A.; de Anda, F.; Canales, A.; Banos, L.; Rios-Jara, D. Chemical Etching Solution for the Determination of the Crystallographic Orientation of GaSb by Optical Reflectograms	8	2220
Golden, Teresa D., *see* Phillips, Richard J.	9	2391
Goldenberg, L. M.; Petty, M. C.; Monkman, A. P. A Comparative Study of the Electrochemical Properties of Dip-Coated, Spun and Organic Langmuir-Blodgett Films of Polyaniline	6	1573
Goldstein, David, *see* Shor, Joseph S.	2	579
Gómez, M. M., *see* García, M. P.	9	2291
Gonzalez, Ernesto R., *see* Perez, Joelma	2	431
Goodner, Ray, *see* Grivna, Gordon	1	251
Gopal, Ram; Gibbons, D. W. Report of the Electrolytic Industries for the Year 1993	10	2918
Gordon, James S., Jr.; Young, Victor G., Jr.; Johnson, Dennis C. Application of an Electrochemical Quartz Crystal Microbalance to a Study of the Anodic Deposition of PbO2 and Bi-PbO2 Films on Gold Electrodes	3	652
Gösele, U., *see* Steckl, Andrew J.	6	L66

Author	Issue	Page
Gösele, U., *see* Tong, Q.-Y.	10	L137
Gotou, Yasushi, *see* Wada, Yasuo	5	1392
Goujard, S.; Vandenbulcke, L.; Bernard, C.; Blondiaux, G.; Debrun, J. L. Thermodynamic and Experimental Study of the Chemical Vapor Codeposition in the Silicon-Boron-Carbon System at 1400 K	2	452
Gradilla, I., *see* Falcony, Ciro	10	2860
Graedel, T. E. Chemical Mechanisms for the Atmospheric Corrosion of Lead	4	922
Gräf, D., *see* Hillrichs, G.	11	3145
Graff, Klaus; Heim, P. Chromium-Free Etch for Revealing and Distinguishing Metal Contamination Defects in Silicon	10	2821
Graimann, C., *see* Ransom, Craig	5	1378
Grätzel, Michael, *see* Hagfeldt, Anders	7	L82
Graves, D. B., *see* Lee, C.	6	1546
Green, John A., *see* Zavracky, Paul M.	11	3182
Greenberg, Charles B., *see* Ho, Kuo-Chuan	8	2061
Grenko, J. A., *see* Chu, S. N. G.	1	242
Griffin, A. J., Jr.; Hernández, S. E.; Brotzen, F. R.; Dunn, C. F. A Galvanic Series for Thin-Film Metallizations and Barrier Layers Commonly Used in the Microelectronics Industry	3	807
Griffin, Alfred J., Jr.; Brotzen, F. R.; Dunn, C. F. Impedance-Spectroscopy Response of Aluminum-Copper-Silicon Alloys	12	3473
Grimstvedt, A.; Ratkje, Signe Kjelstrup; Forland, T. Theory of Thermocells. Transported Entropies and Heat of Transfer in Sulfate Mixtures	5	1236
Grivna, Gordon; Goodner, Ray A New Global Planarization Technique Utilizing In Situ Isotropic Photoresist Mask Erosion	1	251
Gross, M. E., *see* Weber, A.	3	849
Grove, Charlotte, *see* Roth, Scott S.	8	2178
Gu, Tieer; Awadelkarim, O. O.; Fonash, S. J.; Rembetski, J. F.; Chan, Y. D. Effect of Plasma Etching Edge-Type Exposures on Si Substrates: A Correlation Between Carrier Lifetime and Etch-Induced Defect States	11	3230
Gu, Z. H.; Fahidy, Thomas Z.; Damaskinos, S.; Dixon, A. E. In Situ Monitoring of Electrode Surface Modification via Confocal Scanning Beam Laser Microscopy	11	L153
Guan, Yichang; Han, Kenneth N. The Dissolution Behavior of Silver in Ammoniacal Solutions with Cupric Ammine	1	91
Guay, D., *see* Tamizhmani, G.	1	41
Guay, Daniel, *see* Chen, Linlin	4	L43
Guerriero, P., *see* Cattarin, Sandro	5	1100
Guillén, C.; Herrero, J. Effects of Thermal and Chemical Treatments on the Composition and Structure of Electrodeposited CuInSe2 Thin Films	1	225
Guldi, Richard L. Source/Drain Dislocations and Electrical Leakage in Titanium-Salicided Silicon CMOS Integrated Circuits	7	1957
Gummow, R. J., *see* Ferg, E.	11	L147
Gummow, R. J.; Thackeray, Michael M. An Investigation of Spinel-Related and Orthorhombic LiMnO2 Cathodes for Rechargeable Lithium Batteries	5	1178
Gupta, L. C., *see* Kumar, Dhananjay	6	1611
Gurbuz, Y., *see* Kang, W. P.	8	2231
Gutmann, R. J., *see* Steigerwald, J. M.	10	2842
Gutmann, R. J., *see* Steigerwald, J. M.	12	3512
Guyomard, D., *see* Tarascon, J. M.	6	1421
Ha, N. T., *see* Chu, S. N. G.	1	242
Ha, N. T., *see* Georgiou, George E.	5	1351
Haberichter, Sandra L., *see* Kao, Wen-Hong	12	3300
Hada, T., *see* Takahashi, Akira	4	954
Hagan, Carolynne R. S., *see* Madigan, Nannette A.	3	L23
Hagfeldt, Anders; Vlachopoulos, Nick; Grätzel, Michael Fast Electrochromic Switching with Nanocrystalline Oxide Semiconductor Films	7	L82
Hajjem, B., *see* Chirchi, L.	9	2283
Hallin, C., *see* Hjort, K.	11	3242
Halpert, G., *see* Ratnakumar, B. V.	8	L89
Halpert, G., *see* Nagasubramanian, G.	6	1414
Hamaguchi, Satoshi; Dalvie, M. Intrinsic and Passivation-Induced Trench Tapering during Plasma Etching	7	1964
Hamakawa, S.; Hibino, T.; Iwahara, H. Electrochemical Hydrogen Permeation in a Proton-Hole Mixed Conductor and Its Application to a Membrane Reactor	7	1720
Hamasaki, Y., *see* Nogami, Gyoichi	12	3410
Hamasaki, Yasuyuki; Ohkubo, Suehiro; Murakami, Kazuhiro; Sei, Hiroyuki; Nogami, Gyoichi	3	660
Hamilton, W. J., *see* de Lyon, Terry J.	10	2888
Hampden-Smith, M. J., *see* Farkas, J.	12	3539
Hampden-Smith, Mark J., *see* Farkas, J.	12	3547
Han, Kenneth N., *see* Guan, Yichang	1	91
Hankare, P. P., *see* Deshmukh, L. P.	7	1779
Hanoka, Jack I., *see* Amick, James A.	6	1577
Hansen, Uffe Rud, *see* Mogensen, Mogens	8	2122
Hara, Kohjiro; Tsuneto, Akira; Kudo, Akihiko; Sakata, Tadayoshi Electrochemical Reduction of CO2 on a Cu Electrode under High Pressure. Factors that Determine the Product Selectivity	8	2097
Hara, Nobuyoshi; Takahashi, Eiichi; Yoon, Jae Hong; Sugimoto, Katsuhisa Ellipsometric Analysis of Growth Process and Corrosion Resistance of Nb2O5 Films Formed by MOCVD	6	1669
Harada, T., *see* Tamaki, J.	8	2207
Hardalov, Ch., *see* Germanova, K.	9	2533
Harford, S. H.; Taylor, D. L.; Abruña, Hector D. The Effects of Organic Adsorbates on the Underpotential and Bulk Deposition of Silver on Polycrystalline Platinum Electrodes	12	3394
Harris, Derek; Kohl, Paul A.; Winnick, J. Photoelectrochemical Etching of InAs	5	1274
Harris, Gari, *see* Violette, Katherine E.	11	3269
Hartmannsgruber, E., *see* Lange, P.	1	259
Haseeb, A. S. M. A.; Celis, J. P.; Roos, J. R. Dual-Bath Electrodeposition of Cu/Ni Compositionally Modulated Multilayers	1	230
Hasegawa, Hideharu, *see* Ishihara, Yoshio	1	246
Hasenack, Claus Martin, *see* Lopes, M. C. Valente	6	1621
Hashimoto, Kazuhito, *see* Yoshiki, Hajime	5	L56
Hashimoto, Kazuhito, *see* Saeki, Tomonori	9	L130
Hashimoto, Keiichi, *see* Mizusaki, Junichiro	8	2129
Hasumi, Kazuhisa, *see* Jung, Sang-Jin	5	L53
Hatanaka, Yoshinori, *see* Wickramanayaka, Sunil	10	2910
Hatoh, Kazuhito; Niikura, Junji; Yasumoto, Eiichi; Gamo, Takaharu The Exchange Current Density of Oxide Cathodes in Molten Carbonates	7	1725
Hattori, Kei; Hori, Masaru; Aoyama, Michishige Residue-Free Etching of the Al-Si-Cu Alloy Employing Magnetron Reactive Ion Etching	10	2825
Hauge, Robert H., *see* Pan, Chenyu	11	3246
Haupfear, E. A.; Olson, E. C.; Schmidt, Lanny D. Kinetics of SiO2 Deposition from Tetraethylorthosilicate	7	1943
Hayase, Rumiko; Onishi, Yasunobu; Niki, Hirokazu; Oyasato, Naohiko; Hayase, Shuzi Chemically Amplified Resists Using 1,2-Naphthoquinone Diazide-4-Sulfonates as Photoacid Generators	11	3141
Hayase, Shuzi, *see* Hayase, Rumiko	11	3141
Hayes, T. M., *see* Furtak, T. E.	9	2369
He, Lin; Franzen, Hugo F.; Vitt, J. E.; Johnson, Dennis C. Synthesis and Characterization of Ru-Ti4O7 Microelectrode Arrays	4	1014
Hebard, A. F., *see* Tong, Q.-Y.	10	L137
Hebert, K. R., *see* Wu, X.	12	3361
Hebert, Kurt R., *see* Lin, Ching-Feng	1	96
Hebert, Kurt R., *see* Lin, Ching-Feng	1	104
Hebert, Kurt R., *see* Tak, Yongsug	6	1446
Hebert, Kurt R., *see* Tak, Yongsug	6	1453
Hedenskoog, Michael, *see* Carlin, Richard T.	3	L21
Hegde, Rama I., *see* Okada, Yoshio	12	3500
Heim, P., *see* Graff, Klaus	10	2821
Heibig, R., *see* Schmitt, Juergen	8	2262
Helms, C. Robert, *see* Meléndez, José	7	1973
Helms, Jeffrey H., *see* Chandra, Dhanesh	7	1921
Hemmes, K., *see* Makkus, R. C.	12	3429
Hench, L. L., *see* Abe, Yoshihiro	6	L64
Henderson, Eric R., *see* Tak, Yongsug	6	1446
Hérino, R., *see* Serre, C.	8	2049
Hérino, R., *see* Bsiesy, A.	11	3071
Hermann, Vincent, *see* Passerini, Stefano	4	1025
Hernández, L.; de Melo, O.; Zelaya-Angel, O.; Lozada-Morales, R.; Purón, E. Photoelectrochemical Properties of Anatase and Rutile Films Prepared by the Sol-Gel Method	11	3238
Hernandez, M. J.; Garrido, Javier; Martinez, J.; Piqueras, J. Kinetics and Compositional Dependence on the Microwave Power and SiH4/N2 Flow Ratio of Silicon Nitride Deposited by Electron Cyclotron Resonance Plasmas	11	3234
Hernández, S. E., *see* Griffin, A. J., Jr.	3	807
Herrero, J., *see* Dona, J. M.	1	205
Herrero, J., *see* Guillén, C.	1	225
Hesketh, Peter J., *see* Wang, Tong	9	2493
Hess, Dennis W., *see* Lee, C.	6	1546
Hesse, K., *see* Sluzky, Esther	11	3172
Heyns, M. M., *see* Verhaverbeke, Steven	10	2852
Heyns, M. M., *see* Bender, H.	11	3128
Hibino, T., *see* Hamakawa, S.	7	1720
Hibino, Takashi; Iwahara, Hiroyasu Detection of D2O in Water Isotopes Using a High Temperature Protonic Conductor	9	L125
Hieda, Masaharu, *see* Miyazaki, Kazuhide	4	L35
Higasa, M., *see* Ogura, K.	2	419
Higashi, Yasuhiro, *see* Saito, Kunio	7	1879
Hihara, Lloyd H., *see* Rocheleau, Richard E.	7	1938
Hijikata, Kunio, *see* Phelan, Patrick E.	3	810
Hikita, Tomoji, *see* Yasuda, Isamu	5	1268
Hikita, Tomoji, *see* Mizusaki, Junichiro	8	2129
Hillrichs, G.; Gräf, D.; Marowsky, G.; Roders, O.; Schnegg, A.; Wagner, P. Surface Analysis of Si(111) Wafers Using Second Harmonic Generation	11	3145
Hilpert, K.; Miller, M. Analysis and Thermochemistry of the Vapor of the NaBr-DyBr3 System	10	2769
Hilpert, K., *see* Miller, M.	10	2774
Hinatsu, James T.; Mizuhata, Minoru; Takenaka, Hiroyasu Water Uptake of Perfluorosulfonic Acid Membranes from Liquid Water and Water Vapor	5	1493
Hinatsu, James T., *see* Sugishima, Noboru	12	3325
Hinatsu, James T., *see* Sugishima, Noboru	12	3332
Hinokuma, Koichiro; Kishimoto, Akira; Kudo, Tetsuichi Coloration Dynamics of Spin-Coated MoO3.nH2O Electrochromic Films Fabricated from Peroxo-Polymolybdate Solution	4	876
Hirai, Toshiro; Yoshimatsu, Isamu; Yamaki, Jun-ichi Influence of Electrolyte on Lithium Cycling Efficiency with Pressurized Electrode Stack	3	611
Hirai, Toshiro; Yoshimatsu, Isamu; Yamaki, Jun-ichi Effect of Additives on Lithium Cycling Efficiency	9	2300
Hiraiwa, A., *see* Miyazaki, H.	3	734
Hirano, Katsuhiko, *see* Mizusaki, Junichiro	6	1674
Hirano, Katsuhiko, *see* Mizusaki, Junichiro	8	2129
Hirano, S., *see* Sakamoto, Y.	7	1740
Hirano, Yasuaki; Inada, Taroh Ion Implantation in Beta-SiC Layers Grown on (100)Si	12	3489
Hirata, M., *see* Sakamoto, Y.	7	1740
Hirayama, R., *see* Maeno, Matagoro	10	2649
Hirose, Kouichi; Shimada, Hisayuki; Shimomura, Shigeki; Onodera, Masanobu; Ohmi, Tadahiro Ion-Implanted Photoresist and Damage-Free Stripping	1	192
Hirose, M., *see* Morin, Michel	1	274
Hjort, K.; Ericson, F.; Schweitz, J.-Å.; Hallin, C.; Janzén, E. GaAs Low Temperature Fusion Bonding	11	3242
Hjuler, Hans Aage, *see* Qingfeng, Li	11	3114
Hnatowicz, V., *see* Svorcik, V.	2	582
Ho, Kuo-Chuan; Rukavina, Thomas G.; Greenberg, Charles B. Tungsten Oxide-Prussian Blue Electrochromic System Based on a Proton-Conducting Polymer Electrolyte	8	2061
Hobbs, L. W., *see* Pint, Bruce A.	9	2443
Höfer, Heidi E.; Schmidberger, Rainer Electronic Conductivity in the La(Cr,Ni)O3 Perovskite System	3	782
Hogan, Rod, *see* Roy, Sudipto R.	8	2257
Hokke, R., *see* Severin, J. W.	3	816
Holikatti, S. G., *see* Deshmukh, L. P.	7	1779
Holmblad, Carol Ann, *see* Passerini, Stefano	4	1025
Homma, Y., *see* Miyazaki, H.	3	734
Hondrogiannis, E. M., *see* Sienerth, K. D.	7	1762
Hong, Feng; Rozgonyi, George A. Interdiffusion, Phase Transformation, and Epitaxial CoSi2 Formation in Multilayer Co/Ti-Si(100) System	12	3480

Author	Issue	Page
Honma, H.; Kobayashi, T. Electroless Copper Deposition Process Using Glyoxylic Acid as a Reducing Agent	3	730
Honma, H.; Watanabe, H.; Kobayashi, T. Direct Nickel Plating on Aluminum Substrate for Microbump Formation	7	1791
Honma, Koji, *see* Niwano, Michio	6	1556
Hori, Masaru, *see* Hattori, Kei	10	2825
Horie, H., *see* Yanase, Yoshio	11	3259
Horning, R. D.; Mirza, A.; Martin, R. R. Characterization of Si-Si Bonding by Wright Etching	3	706
Hosokawa, K., *see* Matsunaga, Morio	9	2413
Hosono, Hideo, *see* Abe, Yoshihiro	6	L64
Howard, Arnold J.; Rye, R. R.; Ricco, A. J.; Rieger, D. L.; Lovejoy, M. L.; Sloan, L. R.; Mitchell, M. A. New Methods for Circuit Fabrication on Poly(tetrafluoroethylene) Substrates	12	3556
Howe, Roger T., *see* Monk, David J.	1	264
Howe, Roger T., *see* Monk, David J.	1	270
Hsiao, M. C.; Wan, C. C. The Effect of pH on the Localized Etching Process Induced by Laser Irradiation	4	943
Hsieh, I. J.; Feng, M. S.; Kuo, K. T.; Lin, P. Growth of ZnGa2O4 Phosphor by Radio Frequency Magnetron Sputtering	6	1617
Hu, Chi-Chang; Wen, Ten-Chin Voltammetric Investigation of Hydrogen Sorption/Desorption at/within Oxide-Derived Pd Electrodes in NaOH and H2SO4	11	2996
Hu, Honggang, *see* Troller-McKinstry, Susan	9	2483
Huang, Haitao; Bruce, Peter G. A 3 Volt Lithium Manganese Oxide Cathode for Rechargeable Lithium Batteries	7	L76
Huang, Haitao; Bruce, Peter G. A 4 V Lithium Manganese Oxide Cathode for Rocking-Chair Lithium-Ion Cells	9	L106
Huang, L.; Nair, P. K.; Nair, M. T. S.; Zingaro, R. A.; Meyers, E. A. Interfacial Diffusion of Metal Atoms during Air Annealing of Chemically Deposited ZnS-CuS and PbS-CuS Thin Films	9	2536
Hübner, H.; Engelhardt, M. Neutral Particle Flux Calculations in Plasma Etching for Cylindrical Trench Holes	9	2453
Hudson, J. L., *see* Fei, Z.	9	L123
Hudson, J. L., *see* Pride, S. T.	11	3028
Huet, F., *see* Amrani, Z.	8	2059
Hughes, H. L., *see* Afanas'ev, V. V.	10	2801
Hugot-Le Goff, Anne, *see* Bernard, Marie-Claude	10	2682
Hung, Aina, *see* Lian, Syh-Ming	9	2374
Hunt, C. E., *see* Farrens, Shari N.	11	3225
Hunt, Charles E., *see* Desmond, Cynthia A.	1	178
Hunt, Charles E., *see* Folta, James A.	8	2157
Huq, R., *see* Kowal, K.	1	116
Hwang, J., *see* Lee, S. L.	1	291
Hwang, K.-H.; Lee, S.-H.; Joo, S.-K. Characterization of Sputter-Deposited LiMn2O4 Thin Films for Rechargeable Microbatteries	12	3295
Hwu, Jenn-Gwo, *see* Wu, You-Lin	9	2498
Ibara, Yoshikazu, *see* Inoue, Yasunori	4	1056
Ichino, Toshihiro, *see* Matsumoto, Morihiko	8	1989
Ida, Kazuhiko, *see* Ue, Makoto	11	2989
Ihara, Masaru, *see* Itoh, Miki	2	352
Ihara, Mitsuo, *see* Ishikawa, Masashi	7	1730
Iijima, Simpei, *see* Kobayashi, Takashi	5	1385
Iizuka, J., *see* Mieno, F.	8	2166
Ikeda, N., *see* Sueoka, K.	12	3588
Ikeda, Takuya, *see* Ishihara, Yoshio	1	246
Im, Ho Bin, *see* Kim, Hye Dong	12	3572
Imanishi, Nobuyuki, *see* Nishijima, Motoaki	11	2966
Inaba, Minoru, *see* Katakura, Katsumi	7	1827
Inaba, Minoru; Ogumi, Zempachi; Takehara, Zen-ichiro Application of the Solid Polymer Electrolyte Method to Organic Electrochemistry. XVII. Indirect Electrochemical Debromination Using Viologens as Microscopic Phase-Transfer Mediators	10	2579
Inada, Taroh, *see* Kiyota, Yukihiro	8	2241
Inada, Taroh, *see* Hirano, Yasuaki	12	3499
Inanami, Ryoichi; Shao, Chunlin; Morita, Sinzo Silicon Wafer Etching by Transmitted Electron-Beam-Enhanced Plasma	9	2541
Indira, L., *see* Kamath, P. Vishnu	11	2956
Ingersoll, David; Kulesza, Pawel J.; Faulkner, Larry R. Polyoxometallate-based Layered Composite Films on Electrodes. Preparation Through Alternate Immersions in Modification Solutions	1	140
Ingram, J. C., *see* Glenn, David F.	9	L113
Inoue, Hiroshi, *see* Kuwabata, Susumu	6	1496
Inoue, Yasunori; Tanimoto, Shin-ichi; Tsujimura, Kazutoshi; Yamashita, Tomio; Ibara, Yoshikazu; Yamashita, Yasuhiko; Yoneda, Kiyoshi Behavior of TiN and Ti Barrier Metals in Al-Barrier-Al Via Hole Metallization	4	1056
Inui, Tomoyuki, *see* Ohtani, Bunsho	9	2439
Ippommatsu, Masamichi, *see* Suzuki, Minoru	7	1928
Ippommatsu, Masamichi, *see* Mizusaki, Junichiro	8	2129
Irene, E. A., *see* Sampson, R. K.	2	539
Irene, E. A., *see* Sampson, R. K.	3	737
Irene, Eugene A., *see* Wall, J. F.	1	306
Isaacs, H. S., *see* Frankel, G. S.	1	83
Ishida, S., *see* Miyamoto, Mitsuo	10	2899
Ishida, T.; Kouno, H.; Kobayashi, H.; Nakato, Y. Dependence of Photovoltages of Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar Cells on Spray Solvents	5	1357
Ishihara, Tatsumi; Matsuda, Hideaki; Takita, Yushaku Oxide Ionic Conductivity of Doped NdAlO3 Perovskite-Type Oxides	12	3444
Ishihara, Yoshio; Ohmi, Tadahiro; Hasegawa, Hideharu; Ikeda, Takuya; Takasaki, Toshimichi; Yamane, Sumiyo; Fukushima, Ryousuke Electrical Conductivity Measurement in Liquified Hydrogen Chloride	1	246
Ishii, Masatosi, *see* Akiya, Masahiro	10	2857
Ishii, Takao; Tajima, Yukimichi Low Temperature Operation of Solid Oxide Fuel Cell with a ZrO2-Sc2O3-Al2O3 System Electrolyte	12	3450
Ishii, Takayuki, *see* Osaka, Tetsuya	8	1994
Ishikawa, Masami, *see* Chigane, Masaya	12	3439
Ishikawa, Masashi; Yoshitake, Shinsuke; Morita, Masayuki; Matsuda, Yoshiharu In Situ Scanning Vibrating Electrode Technique for the Characterization of Interface Between Lithium Electrode and Electrolytes Containing Additives	12	L150
Ishikawa, Masashi; Morita, Masayuki; Asao, Masaya; Matsuda, Yoshiharu Charge/Discharge Characteristics of Carbon Fiber with Graphite Structure in Organic Electrolytes Containing Lithium Trifluoromethylsulfate and Lithium Hexafluorophosphate	5	1105
Ishikawa, Masashi, *see* Morita, Masayuki	6	1409
Ishikawa, Masashi; Morita, Masayuki; Ihara, Mitsuo; Matsuda, Yoshiharu Electric Double-Layer Capacitor Composed of Activated Carbon Fiber Cloth Electrodes and Solid Polymer Electrolytes Containing Alkylammonium Salts	7	1730
Ishizeki, Kenji, *see* Tamura, Hiroki	8	2035
Isobe, Kensuke, *see* Mizusaki, Junichiro	6	1674
Itagaki, Hideo, *see* Nogami, Gyoichi	5	1138
Ito, Minoru, *see* Murakami, Yasushi	9	L118
Ito, Minoru; Murakami, Yasushi; Kaji, Hayato; Ohkawauchi, Hiroyuki; Yahikozawa, Kiyochika; Takasu, Yoshio Preparation of Ultrafine RuO2-SnO2 Binary Oxide Particles by a Sol-Gel Process	5	1243
Ito, Yasuhiko, *see* Amezawa, Koji	11	3096
Itoh, Miki; Ihara, Masaru; Nishihara, Hiroshi; Aramaki, Kunitsugu Corrosion Inhibition of Cobalt in Some Acid Solutions by Bismuth(III) Chloride	2	352
Itoh, Miki; Nishihara, Hiroshi; Aramaki, Kunitsugu A Chemical Modification of Alkanethiol Self-Assembled Monolayers with Alkyltrichlorosilanes for the Protection of Copper Against Corrosion	8	2018
Itsumi, Manabu, *see* Akiya, Hideo	10	L139
Itsumi, Manabu; Kai, Junko In Situ Observation System for Silicon Wafer Transient Deformation during Insertion/Withdrawal into/from Horizontal Furnaces	5	1299
Itsumi, Manabu Contamination Determination for Silicon Carbide Cantilever Forks in Diffusion Furnaces	5	1304
Itsumi, Manabu Characterization and Elimination of Defects in Oxide Layers Grown on Czochralski Silicon Substrates	9	2460
Ivanov, I., *see* Germanova, K.	9	2533
Iwahara, H., *see* Hamakawa, S.	7	1720
Iwahara, Hiroyasu, *see* Hibino, Takashi	9	L125
Iwai, Kunihiro, *see* Ohtani, Bunsho	9	2439
Iwakura, Chiaki; Matsuoka, Masao; Kohno, Tatsuoki Mixing Effect of Metal Oxides on Negative Electrode Reactions in the Nickel-Hydride Battery	9	2306
Iwamori, T., *see* Murata, M.	6	1626
Iwanga, Naruyuki, *see* Tasaka, Akimasa	6	1460
Iwane, Andrew, *see* Rocheleau, Richard E.	7	1938
Iyer, R. Reactive Facet Sputtering of SiO2	11	3151
Izumi, H., *see* Maeno, Matagoro	10	2649
Jackson, T. N., *see* Ransom, Craig	5	1378
Jaeger, N. I.; Lehmkuhl, R.; Schlettwein, Derck; Wöhrle, D. Observation of a Transient Structural Change during the Reversible Reduction of a Porphyrin Thin-Film Electrode	7	1735
Jeffrezic-Renault, N., *see* Rocher, V.	2	535
Jehnes, C. V., *see* Frankel, G. S.	1	83
Jan, Der'E; Raghavan, Srini Electrokinetic Characteristics of Nitride Wafers in Aqueous Solutions and their Impact on Particulate Deposition	9	2465
Janzén, E., *see* Hjort, K.	11	3242
Jauhiainen, Anders, *see* Ljungberg, Karin	2	562
Jawarani, D.; Kawasaki, H.; Olowolafe, O.; Lee, C. C.; Klein, J.; Pintchovski, F.; Stark, J. P. Intermetallic Compound Formation in Ti/Al Aluminum Alloy Thin Film Couples and Its Role in Electromigration Lifetime	1	302
Jeanjaquet, S., *see* Tench, D. M.	2	388
Jeanjaquet, S., *see* Kendig, M. W.	2	392
Jensen, Klavs F., *see* Coronell, Daniel G.	2	496
Jensen, Klavs F., *see* Coronell, Daniel G.	9	2545
Jeong, J., *see* Chiou, Herng-Der	7	1856
Jérome, M., *see* Amrani, Z.	8	2059
Jillie, Donald W., Jr., *see* Shan, Hongqing	10	2904
Johannes, Justine E.; Ekerdt, John G. Gas-Phase Reaction Study of Disilane Pyrolysis: Applications to Low Pressure Chemical Vapor Deposition	8	2135
Johansson, Anna, *see* Lauenstein, Åsa	7	1819
Johansson, Stefan, *see* Ljungberg, Karin	10	2829
Johnson, Curtis E.; Weimer, Wayne A. Gas-Phase Precursors to Diamond and the sp2 Carbon Impurity	8	2161
Johnson, Dennis C., *see* Gordon, James S., Jr.	3	652
Johnson, Dennis C., *see* He, Lin	4	1014
Johnson, Dennis C., *see* Feng, Jianren	10	2708
Johnson, Dennis C., *see* Kawagoe, Kirk T.	12	3404
Johnson, K. E., *see* Campbell, J. L.	3	L19
Johnson, S. M., *see* de Lyon, Terry J.	10	2888
Jones, Kevin S., *see* Park, Heemyong	3	759
Jones, Kevin S., *see* Lee, Cynthia C.	8	2245
Joo, S.-K., *see* Hwang, K.-H.	12	3296
Josowicz, Mira; Li, Jing; Exarhos, Gregory J. Novel Electrosynthesis of Poly(cyclo-organophosphazenes)	12	L162
Jung, Sang-Jin; Ohsawa, Hiroshi; Nakamura, Yoshinobu; Yanagida, Hiroaki; Hasumi, Kazuhisa; Okada, Osamu Effects of Na2CO3 Addition on the Gas Sensing Characteristics of CuO/ZnO Heterocontact	5	L53
Jung, T. G., *see* Lin, H. C.	9	2550
Jungblut, H., *see* Rappich, J.	8	L99
Kadirgan, F., *see* Yildiz, G.	3	725
Kai, Junko, *see* Itsumi, Manabu	5	1299
Kailath, Thomas, *see* Schaper, Charles D.	11	3200
Kaji, Hayato, *see* Ito, Minoru	5	1243
Kajimura, Atsuko, *see* Suzuki, Minoru	7	1928
Kakuda, Satoko, *see* Osaka, Tetsuya	8	1994
Kaicher, K., *see* Orel, B.	9	L127
Kalish, R., *see* Miller, Barry	4	L41
Kálmán, E.; Várhegyi, B; Bakó, I.; Felhosi, I.; Karman, F. H.; Shaban, A. Corrosion Inhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic Acid An Electrochemical Impedance Spectroscopy Study	12	3357
Kalnitsky, A.; MacNaughton, R.; Li, J. Effect of Low Temperature (<900 C) RTA on the Conductivity of As-Implanted Layers and Metal to P+ Contact Resistance	8	2223
Kamal, Abu Hena Mustafa; Nomura, Shigeru; Endoh, Toshiaki Modified Constant-Current Anodization. A Promising Mechanism for Minimizing Interface States in the Silicon/Silicon-Oxide System of an Anodic Oxide Film	8	2227
Kamath, G. S., *see* de Lyon, Terry J.	10	2888
Kamath, P. Vishnu; Dixit, Mridula; Indira, L.; Shukla, A. K.; Kumar, V. Ganesh; Munichandraiah, N. Stabilized Alpha-Ni(OH)2 as Electrode Material for Alkaline Secondary Cells	11	2956
Kam Cheong, Amoy; Lasia, Andrzej; Lessard, Jean Study of the Mechanism of the Hydrogen Evolution	4	975

Author	Issue	Page
Reaction at Raney Nickel Electrodes in the Presence of Organic Compounds		
Kameyama, Kohichi; Tsukada, Kohji; Yahikozawa, Kiyochika; Takasu, Yoshio	3	643
Surface Characterization of RuO2-IrO2-TiO2 Coated Titanium Electrodes		
Kamitani, Kouji, *see* Mizusaki, Junichiro	8	2129
Kamiyama, Satoshi; Suzuki, Hiroshi; Watanabe, Hirohito; Sakai, Akira; Kimura, Hidekazu; Mizuki, Junichiro	5	1246
Ultrathin Tantalum Oxide Capacitor Process Using Oxygen-Plasma Annealing		
Kanagawa, Tetsuya, *see* Maruyama, Toshiro	9	2435
Kanagawa, Tetsuya, *see* Maruyama, Toshiro	10	2868
Kanamura, Kiyoshi; Shiraishi, Soshi; Takehara, Zen-ichiro	9	L108
Electrochemical Deposition of Uniform Lithium on an Ni Substrate in a Nonaqueous Electrolyte		
Kanamura, Kiyoshi; Shiraishi, Soshi; Tamura, Hiroshi; Takehara, Zen-ichiro	9	2379
X-Ray Photoelectron Spectroscopy Analysis and Scanning Electron Microscopic Observation of the Lithium Surface Immersed in Nonaqueous Solvents		
Kane, J., *see* Sun, S.-S.	10	2877
Kanehisa, Osam; Yamamoto, Hajime; Okamura, Teruhiko; Morita, Makoto	11	3188
Local Environment of Ce3+ Ions in CaS Prepared With or Without Flux		
Kanemaru, Munesaki, *see* Tasaka, Akimasa	6	1460
Kang, Sien, *see* Schmitz, John	3	843
Kang, W. P.; Gurbuz, Y.; Davidson, J. L.; Kerns, D. V.	8	2231
A New Hydrogen Sensor Using a Polycrystalline Diamond-Based Schottky Diode		
Kanoh, Hirofumi, *see* Feng, Qi	10	L135
Kao, Shou-Chen; Doremus, Robert H.	7	1832
Silica Films on Silicon. Thickness Measurement by Electron Microscopy and Ellipsometry		
Kao, Wen-Hong; Haberichter, Sandra L.; Patel, Pravina	12	3300
Barium Metaplumbate for Lead/Acid Batteries		
Karakus, C.; Chin, Der-Tau	3	691
Metal Distribution in Jet Plating		
Karlicek, R. F., Jr., *see* Chu, S. N. G.	1	242
Karman, F. H., *see* Kálmán, E.	12	3357
Kasai, Yoshio, *see* Shiozawa, Jun-ichi	5	1334
Kaspi, Ron, *see* DeSalvo, Gregory C.	12	3526
Katakura, Katsumi; Inaba, Minoru; Toyama, Koji; Ogumi, Zempachi; Takehara, Zen-ichiro	7	1827
Electrotransportation of Aniline Through a Perfluorosulfonate Ion-Exchange Membrane		
Kathirgamanathan, Poopathy; Qayyum, Muhammad M. B.	1	147
Partially Immersed Cylindrical Horizontally Revolving Electrodes for the Production of Conducting Polymers		
Kato, Hisayuki; Sakai, Hideo; Sugawara, Katsuro	11	3154
Microdefects in Oxide Films Deposited on Featured Surfaces of VLSI Substrates by Thermal CVD of TEOS and O2		
Kato, Juri; Takeuchi, Masahiro; Tanaka, Kazuo	9	2552
Gate Oxide Degradation Caused by Anomalous Oxidation of BF2 Ion Implanted MoSi2 on Polycrystalline Silicon		
Kato, Juri	11	3156
The Annealing Time and Temperature Dependence of Electrical Dopant Activation in High-Dose BF2 Ion Implanted Silicon		
Kato, Tomoya, *see* Akao, Noboru	5	1199
Katoh, Akihiro; Uchida, Hiroyuki; Shibata, Masami; Watanabe, Masahiro	8	2054
Design of Electrocatalyst for CO2 Reduction. V. Effect of the Microcrystalline Structures of Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of CO2 Reduction		
Katz, A., *see* Miller, Barry	4	L41
Kawagoe, Kirk T.; Johnson, Dennis C.	12	3404
Electrocatalysis of Anodic Oxygen-Transfer Reactions. Oxidation of Phenol and Benzene at Bismuth-Doped Lead Dioxide Electrodes in Acidic Solutions		
Kawai, Hiroo; Kuwano, Jun	7	L78
Lithium Ion Conductivity of A-Site Deficient Perovskite Solid Solution La0.67-xLi3xTiO3		
Kawano, Yumiko, *see* Kondoh, Eiichi	12	3494
Kawasaki, H., *see* Jawarani, D.	1	302
Kawashima, Izumi, *see* Sato, Yoshiyuki	5	1381
Ke, Ruoru, *see* Rynders, Rebecca Mohr	6	1439
Keddam, M., *see* Ogle, Kevin M.	10	2655
Kedzierzawski, P.; Augustynski, Jan	5	L58
Poisoning and Activation of the Gold Cathode during Electroreduction of CO2		
Keh, Huan J.; Li, Wen J.	11	3103
Interactions among Bipolar Spheres in an Electrolytic Cell		
Kelly, John J., *see* Meulenkamp, Eric A.	5	1157
Kelly, Robert G., *see* Fei, Z.	9	L123
Kendig, M. W., *see* Tench, D. M.	2	388
Kendig, M. W.; Tench, D. M.; Jeanjaquet, S.; Stocker, P.	2	392
Electrodeposition of Mixed Metal Oxides from the Eutectic Sodium-Potassium Nitrate Melt		
Kerns, D. V., *see* Kang, W. P.	8	2231
Ketkar, S. N., *see* Ridgeway, R. G.	9	2478
Ketkar, Suhas N.; Scott, A. D., Jr.; Martinez de Pinillos, J. V.	1	184
Dynamic Dilution Calibration System for Calibrating Analytical Instruments Used in Gas Analysis		
Khamankar, Rajesh, *see* Chonko, Mark A.	7	1862
Kho, Young Tai, *see* Rho, Yong Woo	8	2084
Kho, Young Tai, *see* Rho, Yong Woo	8	2089
Kihara, Naoko; Ushirogouchi, Tohru; Tada, Tsukasa; Naito, Takuya; Saito, Satoshi; Nakase, Makoto	11	3162
Chemically Amplified Resist Using Self-Solubility Acceleration Effect		
Kikuchi, Kazuhiro, *see* Yae, Shinji	11	3090
Kikuyama, H.; Waki, M.; Miyashita, M.; Yabune, T.; Miki, N.; Takano, J.; Ohmi, T.	2	366
A Study of the Dissociation State and the SiO2 Etching Reaction for HF Solutions of Extremely Low Concentration		
Kim, D. S.; Lee, Young H.	12	3562
Deposition of Fluorinated a-SiC Films at Room Temperature		
Kim, Dong Seop, *see* Kim, Hye Dong	12	3572
Kim, Eui Jung; Gill, William N.	12	3462
Modeling of CVD of Silicon Dioxide Using TEOS and Ozone in a Single-Wafer Reactor		
Kim, Eunkyoung; Lee, Myong-Hoon; Moon, Bong Seok; Lee, Changjin; Rhee, Suh Bong	3	L26
Redox Cyclability of a Self-Doped Polyaniline		
Kim, Hye Dong; Kim, Dong Seop; Cho, K.; Ahn, Byung Tae; Im, Ho Bin	12	3572
Photovoltaic Properties of Sintered CdS/CdTe Solar Cells with an Indium-Tin-Oxide Electrode		
Kim, Hyeong Joon, *see* Lee, Yong Eui	2	558
Kim, Junbom; Nguyen, T. V.; White, R. E.	2	333
Thermal Characteristics of a Nickel-Hydrogen Battery		
Kim, Kang-Jin, *see* Mao, Duli	5	1231
Kim, S. K.; Lee, Hong H.	9	2470
Extrinsic Conditions for Low Temperature Silicon Homoepitaxy		
Kim, Sun S.; Wijaranakula, W.	7	1872
The Effect of the Crystal Grown-in Defects on the Pause Tail Characteristics of Megabit Dynamic Random Access Memory Devices		
Kim, Young Jin, *see* Lee, Yong Eui	2	558
Kimura, Hidekazu, *see* Kamiyama, Satoshi	5	1246
Kimura, Shigeharu	9	L120
Observation of Oxygen Precipitates in CZ-Grown Si Wafers with a Phase Differential Scanning Optical Microscope		
Kinashi, Koji, *see* Niwano, Michio	6	1556
King, Tsu-Jae; Saraswat, Krishna C.	8	2235
Deposition and Properties of Low-Pressure Chemical-Vapor Deposited Polycrystalline Silicon-Germanium Films		
Kirowa-Eisner, E.; Schwarz, M.; Rosenblum, M.; Gileadi, E.	5	1153
Negative Apparent Electrochemical Enthalpy of Activation. The Reduction of Bromate at the Dropping Mercury Electrode in Alkaline Solutions		
Kirsch, H. C., *see* Roth, Scott S.	8	2178
Kishimoto, Akira, *see* Kuwabata, Susumu	1	10
Kishimoto, Akira, *see* Hinokuma, Koichiro	4	876
Kita, N., *see* Miyamoto, Mitsuo	10	2899
Kitagawara, Yutaka; Tamatsuka, M.; Takenaka, T.	5	1362
Accurate Evaluation Techniques of the Interstitial Oxygen Concentrations in Medium-Resistivity Si Crystals		
Kitamura, E., *see* Nakamura, Minoru	12	3576
Kiyota, Yukihiro; Nakamura, Tohru; Muraki, Kazuhiko; Inada, Taroh	8	2241
Phosphorus Direct Doping from Vapor Phase into Silicon for Shallow Junctions		
Klages, C.-P., *see* Weber, A.	3	849
Klausmann, E., *see* Fahrner, W. R.	8	2151
Klausmann, E., *see* Neitzert, H. C.	9	2474
Klein, J., *see* Jawarani, D.	1	302
Klockenbrink, R.; Peiner, E.; Wehmann, H.-H.; Schlachetzki, A.	6	1594
Wet Chemical Etching of Alignment V-Grooves in (100) InP through Titanium or In0.53Ga0.47As Masks		
Ko, K. K.; Pang, Stella W.	1	255
Surface Damage on GaAs Etched Using a Multipolar Electron Cyclotron Resonance Source		
Kobayashi, H., *see* Ishida, T.	5	1357
Kobayashi, Kiyoteru, *see* Sorita, Tetsuji	12	3505
Kobayashi, S., *see* Sueoka, K.	12	3588
Kobayashi, T., *see* Honma, H.	3	730
Kobayashi, T., *see* Honma, H.	7	1791
Kobayashi, Takashi; Koguchi, Masanari; Iijima, Simpei; Ohkura, Makoto; Wada, Yasuo	5	1365
Nucleation of In Situ Phosphorus-Doped Amorphous Silicon Films Deposited by Pyrolysis of Si2H6 and PH3		
Kobayashi, Takashi, *see* Wada, Yasuo	5	1392
Koch, Brian J., *see* Verbrugge, Mark W.	11	3053
Kocon, Walter, *see* Cotler, Tina J.	11	3218
Kodas, T. T., *see* Farkas, J.	12	3539
Kodas, T. T., *see* Farkas, J.	12	3547
Koguchi, Masanari, *see* Kobayashi, Takashi	5	1365
Kohl, Paul A., *see* Propst, Eric K.	4	1006
Kohl, Paul A., *see* Harris, Derek	5	1274
Kohno, Tatsuoki, *see* Iwakura, Chiaki	9	2306
Koiwa, Ichiro	4	880
Effect of Calcium Content on the Discharge Characteristics of CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Type Plasma Display Panels		
Koizuka, Masaaki, *see* Fukuda, Tetsuo	8	2216
Kojima, H., *see* Miyazaki, H.	3	734
Kojima, H., *see* Murata, M.	6	1628
Kolman, D. G.; Scully, J. R.	10	2633
Electrochemistry and Passivity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Chloride Solutions		
Kondo, Kazuo; Miyazaki, Toyohide; Tamura, Youichi	6	1644
Shape Formation of Electrodeposited Gold Bumps		
Kondo, Naoko, *see* Momma, Toshiyuki	9	2326
Kondo, Seichi, *see* Wada, Yasuo	5	1392
Kondoh, Eiichi; Kawano, Yumiko; Takeyasu, Nobuyuki; Ohta, Tomohiro	12	3494
Interconnection Formation by Doping Chemical-Vapor-Deposition Aluminum with Copper Simultaneously: Al-Cu CVD		
Kong, F. P., *see* Zhang, S. T.	10	2677
Kopf, R. F., *see* Pearton, S. J.	8	2250
Koshiro, Ikumasa, *see* Mizusaki, Junichiro	6	1674
Kotaki, Toshiro, *see* Matsumoto, Osamu	2	L16
Kotecki, D. E., *see* Ransom, Craig	5	1378
Kötz, Rüdiger, *see* Barbero, Cesar	4	859
Kouno, H., *see* Ishida, T.	5	1357
Kovácová, Zuzana, *see* Fawcett, W. Ronald	3	L30
Kowal, K.; Xie, L.; Huq, R.; Farrington, Gregory C.	1	116
In Situ Atomic Force Microscopy Study of the Plating and Stripping of Silver		
Koyanagi, Mitsu, *see* Morin, Michel	1	274
Krasteva, N.; Fotty, V.; Armyanov, S.	10	2864
Thermal Stability of Ni-P and Ni-Cu-P Amorphous Alloys		
Kriksunov, Leonid; Macdonald, Digby D.; Millett, Peter J.	11	3002
Tungsten/Tungsten Oxide pH Sensing Electrode for High Temperature Aqueous Environments		
Kronenberg, Marvin L.; Stein, B. J.; Codd, B. P.	10	2587
Effect of Mercury-Silver Alloy Composition on the Open-Circuit Voltage of Cadmium/Mercuric Oxide Cells		
Kruaval, G. B.; Parsons, J. D.	3	765
Morphological Structure of Silicon Carbide Grown by Chemical Vapor Deposition on Titanium Carbide Using Silane and Ethylene		
Kruaval, G. B., *see* Parsons, J. D.	3	771
Kruger, J., *see* Shifler, D. A.	4	934
Kruger, Jerome, *see* Streinz, Christopher C.	5	1128
Kruger, Jerome, *see* Streinz, Christopher C.	5	1132
Krusius, J. Peter, *see* Chieh, Y. S.	6	1585
Kuchitsu, Kozo, *see* Urisu, Tsuneo	6	1562
Kudo, Akihiko, *see* Hara, Kohjiro	8	2097
Kudo, Tetsuichi, *see* Hinokuma, Koichiro	4	876
Kulesza, Pawel J., *see* Ingersoll, David	1	140
Kumar, Dhananjay; Apte, P. R.; Pinto, R.; Sharon, M.; Gupta, L. C.	6	1611
Aging Effects and Passivation Studies on Undoped and Ag-Doped YBa2Cu3O7-x Laser Ablated Thin Films		
Kumar, V. Ganesh, *see* Kamath, P. Vishnu	11	2956

Author	Issue	Page
Kuo, K. T., *see* Hsieh, I. J.	6	1617
Kuo, Yue; Schrott, A. G. Reactive Ion Etch Processes for Amorphous Silicon Thin-Film Transistors. SiCl4 Based Chemistry	2	502
Kuo, Yue Thin Film Transistors with Graded SiNx Gate Dielectrics	4	1061
Kure, Tokuo, *see* Wada, Yasuo	5	1392
Kuroiwa, Koichi, *see* Tanimoto, Satoshi	5	1329
Kuroiwa, T., *see* Matsuguchi, Masanobu	3	614
Kurtz, A. D., *see* Davidson, J. L.	12	3522
Kurtz, Anthony D., *see* Shor, Joseph S.	2	579
Kurtz, Anthony D., *see* Shor, Joseph S.	3	778
Kuruma, K., *see* Sakamoto, Y.	7	1740
Kuwabata, Susumu; Kishimoto, Akira; Tanaka, Takayoshi; Yoneyama, Hiroshi Electrochemical Synthesis of Composite Films of Manganese Dioxide and Polypyrrole and Their Properties as an Active Material in Lithium Secondary Batteries	1	10
Kuwabata, Susumu; Nishida, Kazufumi; Tsuda, Ryo; Inoue, Hiroshi; Yoneyama, Hiroshi Photochemical Reduction of Carbon Dioxide to Methanol Using ZnS Microcrystallite as a Photocatalyst in the Presence of Methanol Dehydrogenase	6	1488
Kuwano, Jun, *see* Kawai, Hiroo	7	L78
Kuwano, Shuji, *see* Akiya, Hideo	10	L139
Kwok, Kurt; Yieh, E.; Robles, S.; Nguyen, B. C. Surface Related Phenomena in Integrated PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron Gap Fill. Electrostatic Effects	8	2172
Labeau, M., *see* Schmatz, U.	11	3254
Lacaze, P. Camille, *see* Pham, Minh-Chau	1	156
LaFollette, Rodney M., *see* Stewart, Lance L.	9	2416
Lagergren, Carina; Lundblad, A.; Bergman, Bill Synthesis and Performance of LiCoO2 Cathodes for the Molten Carbonate Fuel Cell (MCFC)	11	2959
Lagoubi, Abdelghani, *see* Levy-Clement, Claude	4	958
Lalande, G., *see* Tamizhmani, G.	1	41
Lammasniemi, J., *see* Smekalin, K.	5	L97
Landau, Uziel, *see* Savinell, Robert	4	L46
Landheer, D.; Bardwell, Jennifer A.; Clark, K. B. Electrical Properties of Thin Anodic Oxides Formed on Silicon in Aqueous NH4OH Solutions	5	1309
Landolt, D., *see* Matlosz, M.	2	410
Landolt, D., *see* Roy, Sudipta	6	1509
Lange, P.; Bernt, H.; Hartmannsgruber, E.; Naumann, F. Growth Rate and Characterization of Silicon Oxide Films Grown in N2O Atmosphere in a Rapid Thermal Processor	1	259
Lantelme, F.; Berghoute, Y. Transient Electrochemical Techniques for Studying Electrodeposition of Niobium in Fused NaCl-KCl	12	3306
Lasia, Andrzej, *see* Kam Cheong, Amoy	4	975
Lasia, Andrzej, *see* Los, P.	10	2716
Lauenstein, Åsa; Johansson, Anna; Tegenfeldt, Jörgen Water Absorption of the Polymer Electrolyte Systems Pb(CF3SO3)2PEOn and Zn(CF3SO3)2PEOn	7	1819
Laverty, S. J., *see* Liu, J. S.	4	L38
Lavrencic-Stangar, U., *see* Orel, B.	9	L127
Law, Henry H.; Sapjeta, J.; Chidsey, C. E. D.; Putvinski, T. M. Protective Treatments for Nickel-Based Contact Materials	7	1977
Law, Mark E., *see* Park, Heemyong	3	759
Law, Mark E., *see* Chaudhry, Samir	12	3516
Lazarouk, S.; Baranov, I.; Maiello, G.; Proverbio, E.; De Cesare, G.; Ferrari, Aldo Anisotropy of Porous Anodization of Aluminum for VLSI Technology	9	2556
Lee, C. C., *see* Jawarani, D.	1	302
Lee, C.; Graves, D. B.; Lieberman, M. A.; Hess, Dennis W. Global Model of Plasma Chemistry in a High Density Oxygen Discharge	6	1546
Lee, Changjin, *see* Kim, Eunkyoung	3	L26
Lee, Chung Len, *see* Chao, Tien Sheng	8	2146
Lee, Cpiapyng, *see* Shieh, Ming-Deng	12	3584
Lee, Cynthia C.; Deal, Michael D.; Jones, Kevin S.; Robinson, Heyward G.; Bravman, John C. Effect of Ion Energy on the Diffusion of Si Implanted into GaAs	8	2245
Lee, G. Y., *see* Mao, Bor-Yen	4	1082
Lee, H. S.; Yang, X. Q.; McBreen, James; Xu, Z. S.; Skotheim, T. A.; Okamoto, Y. Ionic Conductivity of a Polymer Electrolyte with Modified Carbonate as a Plasticizer for Poly(ethylene oxide)	4	886
Lee, Hong H., *see* Kim, S. K.	9	2470
Lee, J. B., *see* Nystrom, E. A.	2	358
Lee, Jim Y., *see* Cui, C. Q.	8	2030
Lee, Jong-Ho; Yoo, Han-Ill Electrochemical Study of the Cross Effect Between Ion and Electron Flows in Semiconducting CoO	10	2789
Lee, Ki-Kang, *see* Lee, Yong Eui	2	558
Lee, Myong-Hoon, *see* Kim, Eunkyoung	3	L26
Lee, S. L.; Lin, S. J.; Hwang, J. The Effect of Gas Ambient on the Resistance of BF2+ Ion-Implanted Polycrystalline Diamond Film	1	291
Lee, S.-H., *see* Hwang, K.-H.	12	3296
Lee, Si-Chen, *see* Chou, Jenq-Shiuh	11	3214
Lee, Yong Eui; Kim, Hyeong Joon; Kim, Young Jin; Lee, Ki-Kang; Choi, Byung Ho; Yoon, Kyung Hoon; Song, Jin Soo Preparation of Homogeneous Polycrystalline CuInSe2 Thin Films by a Two-Step Chemical-Vapor-Transport Process	2	558
Lee, Young H., *see* Kim, D. S.	12	3562
Leet, David M., *see* Evans, David R.	7	1867
Legrand, L.; Tranchant, A.; Messina, R. Electrodeposition Studies of Aluminum on Tungsten Electrode from DMSO2 Electrolytes. Determination of Al(III) Species Diffusion Coefficients	2	378
Le Guillanton, Georges; Elothmani, Driss; Do, Quang Tho; Simonet, Jacques Anodic Activation of Sulfur in Organic Solvents	2	316
Lehmkuhl, R., *see* Jaeger, N. I.	7	1735
Lei, Tan Fu, *see* Chao, Tien Sheng	8	2146
Lemoine, Mary, *see* Sluzky, Esther	11	3172
Lengyel, B., *see* Mészáros, L.	8	2068
Leskelä, Markku, *see* Asikainen, Timo	11	3210
Lessard, Jean, *see* Kam Cheong, Amoy	4	975
Levenets, V. V., *see* Beklemishev, V. I.	2	554
Levy-Clement, Claude; Lagoubi, Abdelghani; Tomkiewicz, Micha Morphology of Porous n-Type Silicon Obtained by Photoelectrochemical Etching. I. Correlations with Material and Etching Parameters	4	958
Lewerenz, H. J., *see* Rappich, J.	8	L99
Lewerenz, H. J., *see* Cattarin, Sandro	5	1095
Lewerenz, H. J., *see* Cattarin, Sandro	5	1100
Lewerenz, H. J., *see* Dittrich, Th.	12	3595
Li, J., *see* Kalnitsky, A.	8	2223
Li, Jing, *see* Josowicz, Mira	12	L162
Li, W.; McKinnon, W. R.; Dahn, Jeff R. Lithium Intercalation from Aqueous Solutions	9	2310
Li, Wen J., *see* Keh, Huan J.	11	3103
Li, Wu, *see* Fey, George Ting-Kuo	9	2279
Lian, Syh-Ming; Chen, K. M.; Hung, Aina Studies of Polyimide/Metal Interface	9	2374
Liang, J. W., *see* Feng, M. S.	4	1040
Licht, Stuart, *see* Marsh, Catherine	6	L61
Lieberman, M. A., *see* Lee, C.	6	1546
Ligeon, M., *see* Baiesy, A.	11	3071
Lillard, R. S.; Scully, J. R. Modeling of the Factors Contributing to the Initiation and Propagation of the Crevice Corrosion of Alloy 625	11	3006
Lin, Ching-Feng; Porter, Marc D.; Hebert, Kurt R. Surface Films Produced by Cathodic Polarization of Aluminum	1	96
Lin, Ching-Feng; Hebert, Kurt R. Changes Produced by Cathodic Polarization in the Electrical Conduction Behavior of Surface Films on Aluminum	1	104
Lin, Guan-Hong, *see* Yeh, Ching-Fa	11	3177
Lin, H. C.; Chang, C. Y.; Chen, W. H.; Tsai, W. C.; Chang, T. C.; Jung, T. G.; Lin, H. Y. Effects of SiH4, GeH4, and B2H6 on the Nucleation and Deposition of Polycrystalline Si1-xGex Films	9	2559
Lin, H. Y., *see* Lin, H. C.	9	2559
Lin, Jing-Jenn, *see* Wu, You-Lin	9	2498
Lin, P., *see* Hsieh, I. J.	6	1617
Lin, S. J., *see* Lee, S. L.	1	291
Lincot, D., *see* Marin, F. Iranzo	9	2409
Lindegaard, Thomas, *see* Mogensen, Mogens	8	2122
Ling, M., *see* Sun, S.-S.	10	2877
Litt, Morton, *see* Savinell, Robert	4	L46
Liu, J. S.; Laverty, S. J.; Maguire, P.; McLaughlin, J.; Molloy, J. The Role of an Electrolysis Reduction in Copper-Electroplating on Transparent Semiconductor Tin Oxide	4	L38
Liu, W. H., *see* Shang, L.	2	507
Liu, Z., *see* Barkey, D. P.	5	1206
Ljungberg, Karin; Söderbärg, Anders; Bengtsson, Stefan; Jauhiainen, Anders Characterization of Spontaneously Bonded Hydrophobic Silicon Surfaces	2	562
Ljungberg, Karin; Söderbärg, Anders; Tiensuu, Anna-Lisa; Johansson, Stefan; Thungström, Göran; Petersson, Sture Buried Cobalt Silicide Layers in Silicon Created by Wafer Bonding	10	2829
Lloyd, Charles L.; Gilbert, James B., II Anodic Oxidation of Sulfide Ions in Molten Lithium Fluoride	10	2642
Lo, W. J., *see* Shan, Hongqing	10	2904
Lobnig, R. E.; Frankenthal, R. P.; Siconolfi, D. J.; Sinclair, J. D.; Stratmann, M. Mechanism of Atmospheric Corrosion of Copper in the Presence of Submicron Ammonium Sulfate Particles at 300 and 373 K	11	2935
Loboda, M. J., *see* Stecki, Andrew J.	6	L66
Löffler, S., *see* Fahrner, W. R.	8	2151
Löffler, St., *see* Neitzert, H. C.	9	2474
Logan, R. A., *see* Chu, S. N. G.	1	242
Lojou, E., *see* Aubay, M.	4	965
Look, David C.; Fang, Z.-Q.; Look, J. W.; Sizelove, J. R. Hopping Conduction in Molecular Beam Epitaxial GaAs Grown at Very Low Temperatures	3	747
Look, J. W., *see* Look, David C.	3	747
Lopes, M. C. Valente; Hasenack, Claus Martin; Branauskas, V. Numerical Calculations of the Electrical Effects Induced by Structural Imperfections on Metal Oxide Semiconductor Capacitors	6	1821
Lorang, G.; Da Cunha Belo, M.; Simoes, Alda M. P.; Ferreira, M. G. S. Chemical Composition of Passive Films on AISI 304 Stainless Steel	12	3347
Los, P., *see* Dumont, H.	5	1225
Los, P.; Lasia, Andrzej; Fournier, J.; Brossard, L.; Ménard, H. AC Impedance Studies of Highly Oriented Pyrolytic Graphite in 1 M NaOH Solution	10	2716
Loutzky, S., *see* Passerini, Stefano	7	L80
Lovejoy, M. L., *see* Howard, Arnold J.	12	3556
Lowery, Stephen N., *see* Feng, Jianren	10	2708
Lozada-Morales, R., *see* Hernández, L.	11	3238
Lozykowski, H. J., *see* Alshawa, A. K.	4	1070
Lü, Zhiming, *see* Bell, David A.	10	2884
Lui, A., *see* Bellutti, Pierluigi	3	750
Lundblad, A., *see* Lagergren, Carina	11	2959
Lundblad, Anders; Björnbom, Pehr Wetting-in Studies on Alkaline-Fuel-Cell Cathodes Using a Potentiostatic-Galvanostatic Experimental Design	6	1503
Lux, K., *see* Savinell, Robert	4	L46
Lynn, K. G., *see* Wu, X.	12	3361
Ma, Yanping, *see* Doeff, Marca M.	11	L145
Macdonald, Digby D., *see* Ellerbrock, David J.	10	2645
Macdonald, Digby D., *see* Kriksunov, Leonid	11	3002
MacNaughton, R., *see* Kalnitsky, A.	8	2223
Madigan, Nannette A.; Hagan, Carolynne R. S.; Coury, Louis A., Jr. Preparation of Microarray Electrodes by Sonochemical Ablation of Polymer Films	3	L23
Maeda, Y.; Suzuki, H.; Sakoh, T.; Morita, K.; Morita, M.; Ohmi, Tadahiro High-Selectivity and High-Deposition Rate Tungsten CVD Freed from Chamber Cleaning	2	586
Maeno, Matagoro; Hirayama, R.; Izumi, H.; Takahashi, R.; Chiba, K.; Vrtis, Raymond N.; Ohmi, T. Fluorine-Passivated Electroless Ni-P Films	10	2649
Magaino, S., *see* Matlosz, M.	2	410
Maguire, P., *see* Liu, J. S.	4	L38
Maher, Dennis M., *see* Violette, Katherine E.	11	3269
Maiello, G., *see* Lazarouk, S.	9	2556
Maier, C. U.; Bandi, A.; Specht, M. Influence of Polarization Time and Temperature on the Adsorption of Carbon Dioxide on Platinum	1	L4
Majima, Teiji, *see* Ozawa, Kiyoshi	5	1325
Majumdar, Amitav, *see* Chandra, Dhanesh	7	1921
Makhonin, I. I., *see* Beklemishev, V. I.	2	554
Makkee, M., *see* Moene, R.	1	282
Makkus, R. C.; Hemmes, K.; de Wit, J. H. W. A Comparative Study of NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for Molten Carbonate Fuel Cells	12	3429
Malinowska, Barbara; Cassir, Michel; Devynck, Jacques Design of a Gold Ultramicroelectrode for Voltammetric Studies at High Temperature in Glass-Corrosive Media (Molten Carbonate at 650 C)	8	2015
Mamantov, G., *see* Sienerth, K. D.	7	1782
Mammou, A., *see* Gharbage, B.	8	2118

Author	Issue	Page
Mandal, K. C., *see* Savadogo, O.	10	2871
Mandler, Daniel, *see* Shohat, Ilan	4	995
Mann, Randy W.; Clevenger, L. A. The C49 to C54 Phase Transformation in TiSi2 Thin Films	5	1347
Mannheim, Edna; Alkire, Richard C.; Sani, Robert L. Modeling of Charge Carrier Transport in Photoetching of Gallium Arsenide	2	546
Manolatos, P., *see* Amrani, Z.	8	2059
Mansfeld, Florian, *see* Xiao, H.	9	2332
Mansour, Azzam N.; Melendres, C. A.; Pankuch, M.; Brizzolara, R. A. X-Ray Absorption Fine Structure Spectra and the Oxidation State of Nickel in Some of Its Oxycompounds	6	L69
Mao, Bor-Yen; Nielsen, J. A.; Freidman, R. A.; Lee, G. Y. The Applications of Citric Acid/Hydrogen Peroxide Etching Solutions in the Processing of Pseudomorphic MODFETs	4	1062
Mao, Duli; Kim, Kang-Jin; Frank, Arthur J. Open-Circuit Photovoltage and Charge Recombination at Semiconductor/Liquid Interfaces	5	1231
Mao, X. L., *see* Oblonsky, L. J.	12	3312
Mao, Z.; De Vidts, P.; White, Ralph E.; Newman, John Theoretical Analysis of the Discharge Performance of a NiOOH/H2 Cell	1	54
Mao, Zhenhua; White, Ralph E. A Finite-Difference Method for Pseudo-Two-Dimensional Boundary Value Problems	1	151
Marcus, P., *see* Yang, W. P.	1	111
Marcus, P., *see* Yang, W. P.	10	2669
Marcus, P., *see* Maurice, V.	11	3016
Maréchal, Nadine; Quesnel, Etienne; Pauleau, Yves Properties of Silver Films Sputter-Deposited on Biased Substrates	6	1691
Marek, Miroslav, *see* Su, Y.-Y.	4	940
Margrave, John L., *see* Pan, Chenyu	11	3246
Marín, F. Iranzo; Vigneron, J.; Debiemme-Chouvy, C.; Triboulet, R.; Lincot, D.; Etcheberry, Arnaud Electrochemical Behavior of n-Type CdTe in the Presence of a Monoelectronic Oxidizing Agent (Ce4+)	9	2409
Markovic, Nenad M.; Ross, Philip N., Jr. A Study of Bismuth Ruthenate as an Electrocatalyst for Bifunctional Air Electrodes	10	2590
Markovic, Nenard, *see* Gasteiger, Hubert A.	7	1795
Marowsky, G., *see* Hillrichs, G.	11	3145
Márquez, J., *see* Martinez, Y.	5	1109
Márquez, O. P., *see* Martinez, Y.	5	1109
Marsh, Catherine; Licht, Stuart A Novel Aqueous Dual-Channel Aluminum-Hydrogen Peroxide Battery	6	L61
Marshall, G. A., *see* Pearce, C. W.	5	1375
Marten, R., *see* Seidl, Albrecht	9	2564
Martin, Charles R., *see* Brumlik, Charles J.	9	2273
Martin, F., *see* Deleonibus, S.	10	2811
Martin, R. R., *see* Horning, R. D.	3	796
Martinez, J., *see* Hernandez, M. J.	11	3234
Martinez, Y.; Ortíz, R.; Márquez, O. P.; Márquez, J.; Perdomo, G.; Otero, T. F. Formation of a Bilayer by Electrochemical Oxidation of 1,3-Dimethoxybenzene	5	1109
Martinez de Pinillos, J. V., *see* Ketkar, Suhas N.	1	184
Martinez de Pinillos, J. V., *see* Ridgeway, R. G.	9	2478
Maruyama, Hideki, *see* Mizusaki, Junichiro	6	1674
Maruyama, Toshiro; Arai, Susumu Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by Chemical Vapor Deposition	4	1021
Maruyama, Toshiro; Kanagawa, Tetsuya Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by Photochemical Vapor Deposition	9	2435
Maruyama, Toshiro; Kanagawa, Tetsuya Electrochromic Properties of Niobium Oxide Thin Films Prepared by Chemical Vapor Deposition	10	2868
Massé, Normand; Piron, Dominique L. Effects of Temperature and Powder Morphologies on the Cementation Rate of Copper in Alkaline Zinc Solution	3	664
Massetti, D. O., *see* Parekh, Nitin S.	11	3167
Massoud, Hisham Z., *see* Sampson, R. K.	2	539
Massoud, Hisham Z., *see* Sampson, R. K.	3	737
Mathews, Viju K.; Ditali, Akram; Fazan, Pierre C. Physical and Electrical Characteristics of Thin Silicon Nitride Dielectric Films Deposited on Smooth and Rugged Polycrystalline Silicon after Rapid Thermal Nitridation	4	1066
Mathias, M. F. AC Impedance at Redox-Polymer Modified Electrodes. Effects of Dilute and Highly Resistive Bathing Electrolytes	10	2722
Matlosz, M.; Magaino, S.; Landolt, D. Impedance Analysis of a Model Mechanism for Acceptor-Limited Electropolishing	2	410
Matlosz, Michael, *see* Roy, Sudipta	6	1509
Matsubara, Hiroshi; Yamada, Akifumi Control of Magnetic Properties of Chemically Deposited Cobalt Nickel Phosphorus Films by Electrolysis	9	2386
Matsuda, Hideaki, *see* Ishihara, Tatsumi	12	3444
Matsuda, Yoshiharu, *see* Ishikawa, Masashi	12	L150
Matsuda, Yoshiharu, *see* Ishikawa, Masashi	5	1105
Matsuda, Yoshiharu, *see* Morita, Masayuki	6	1409
Matsuda, Yoshiharu, *see* Ishikawa, Masashi	7	1730
Matsuguchi, Masanobu; Sadaoka, Y.; Nuwa, Y.; Shinmoto, M.; Sakai, Y.; Kuroiwa, T. Capacitive-Type Humidity Sensors Using Polymerized Vinyl Carboxylate	3	614
Matsumoto, Morihiko; Ichino, Toshihiro; Rutt, J. Steven; Nishi, Shiro Ionic Conductivity of Dual-Phase Polymer Electrolytes Comprised of NBR/SBR Latex Films Swollen with Lithium Salt Solutions	8	1989
Matsumoto, Osamu; Kotaki, Toshiro; Shikano, Haruhide; Takemura, Kaora; Tanaka, Shigeyuki Synthesis of Carbon Nitride in Plasma Arc	2	L16
Matsumoto, Tohru, *see* Akiya, Hideo	10	L139
Matsunaga, Morio; Morimitsu, M.; Obata, S.; Hosokawa, K.; Rikihisa, K.; Adachi, K. Current Distribution in a Positive Current Collector of a Sodium-Selenium(IV) Molten Salt Battery	9	2413
Matsuoka, Masao, *see* Iwakura, Chiaki	9	2306
Matthiesen, F., *see* Polyakova, L. P.	11	2982
Matuda, Hiroshi, *see* Morimoto, Yoshihiro	1	188
Matus, L. G., *see* De Meo, R. C.	11	L150
Maurice, V.; Yang, W. P.; Marcus, P. XPS and STM Investigation of the Passive Film Formed on Cr(110) Single-Crystal Surfaces	11	3016
Maurin, G., *see* Arkam, C.	9	L103
Mayer, Steven T., *see* Contolini, Robert J.	9	2503
Mazumder, Motaharul Kabir, *see* Takakuwa, Yuji	9	2567
McBreen, James, *see* Lee, H. S.	4	886
McConica, Carol M., *see* Bell, David A.	10	2884
McEvoy, A. J., *see* Murphy, Mary Michelle	8	L94
McKinnon, W. R., *see* Tarascon, J. M.	6	1421
McKinnon, W. R., *see* Li, W.	9	2310
McLaughlin, J., *see* Liu, J. S.	4	L38
Melchior, H., *see* Brenner, Thomas	7	1954
Meléndez, José; Helms, C. Robert Wet Chemical Cleaning and Surface Analysis of ZnSe	7	1973
Melendres, C. A., *see* Mansour, Azzam N.	6	L69
Ménard, H., *see* Dumont, H.	5	1225
Ménard, H., *see* Los, P.	10	2716
Messina, R., *see* Legrand, L.	2	378
Mészáros, G., *see* Mészáros, L.	8	2068
Mészáros, L.; Mészáros, G.; Lengyel, B. Application of Harmonic Analysis in the Measuring Technique of Corrosion	8	2068
Metz, Jenny M., *see* Chu, P. K.	12	3453
Meulenkamp, Eric A.; Cleij, Thomas J.; Kelly, John J. Electroluminescence and Chemiluminescence of Porous Silicon in Nonaqueous Solution	5	1157
Meyer, J., *see* Tiller, H.-J.	2	514
Meyers, E. A., *see* Huang, L.	9	2536
Meyers, Edward A., *see* Estrada, César A.	3	802
Mieno, F.; Sukegawa, T. S.; Iizuka, J.; Miyata, H.; Nomura, H.; Tsukune, A.; Furumura, Y. Thermally Deposited Amorphous Silicon	8	2166
Mihalcescu, I., *see* Bsiesy, A.	11	3071
Mikata, Yuu-ichi, *see* Shiozawa, Jun-ichi	5	1334
Miki, Keiji, *see* Tasaka, Akimasa	6	1460
Miki, N., *see* Kikuyama, H.	2	366
Miller, Barry; Kalish, R.; Feldman, L. C.; Katz, A.; Moriya, N.; Short, K.; White, A. E. Patterned Electrical Conductance and Electrode Formation in Ion-Implanted Diamond Films	4	L41
Miller, M., *see* Hilpert, K.	10	2769
Miller, M.; Niemann, U.; Hilpert, K. Study of the Heterocomplexes in the Vapor of the Na-Sn-Br-I System and Their Relevance for Metal Halide Lamps	10	2774
Millett, Peter J., *see* Kriksunov, Leonid	11	3003
Milnes, A. G., *see* Tan, S. S.	11	3264
Minazhdinov, M. S., *see* Beklemishev, V. I.	2	554
Miranda, O., *see* Falcony, Ciro	10	2860
Mirza, A., *see* Horning, R. D.	3	796
Misawa, Y., *see* Nakamura, Minoru	12	3576
Mitchell, M. A., *see* Howard, Arnold J.	12	3556
Miura, N., *see* Tamaki, J.	8	2207
Miwa, Koji, *see* Murakami, Yasushi	9	L118
Miyake, Masayasu Shallow Boron-Doped Layer Formation by Boron Diffusion from Poly-Si Through Thin SiO2	6	1702
Miyamoto, Mitsuo; Kita, N.; Ishida, S.; Tatsuno, T. Prevention of Microroughness Generation on the Silicon Wafer Surface in Buffered Hydrogen Fluoride by a Surfactant Addition	10	2899
Miyamoto, Nobuo, *see* Niwano, Michio	6	1556
Miyamoto, Nobuo, *see* Takakuwa, Yuji	9	2567
Miyashita, M., *see* Kikuyama, H.	2	366
Miyata, H., *see* Mieno, F.	8	2166
Miyauchi, Akihiro; Usami, Katuhisa; Suzuki, Takaya X-Ray Reflectivity Measurement of an Interface Layer Between a Low Temperature Silicon Epitaxial Layer and HF-Treated Silicon Substrate	5	1370
Miyazaki, H.; Kojima, H.; Hiraiwa, A.; Homma, Y.; Murakami, K. Improved Phosphosilicate Glass Passivation Against Cu Contamination Using the Rapid Thermal Annealing Process	3	734
Miyazaki, Katsuyuki, *see* Ozawa, Kiyoshi	5	1325
Miyazaki, Kazuhide; Xu, Chao-Nan; Hieda, Masaharu A New Potential-Type Humidity Sensor Using EMD-Based Manganese Oxides as a Solid Electrolyte	4	L35
Miyazaki, Kazuhide, *see* Xu, Chao-Nan	12	3343
Miyazaki, Kenichi, *see* Takao, Yuji	4	1028
Miyazaki, Seijiro, *see* Morita, Masayuki	6	1409
Miyazaki, Toyohide, *see* Kondo, Kazuo	6	1644
Miyoshi, Y., *see* Takahashi, Akira	4	954
Mizuhata, Minoru, *see* Hinatsu, James T.	8	1493
Mizukami, Takayuki, *see* Watanabe, Masahiro	10	2559
Mizuki, Junichiro, *see* Kamiyama, Satoshi	5	1246
Mizusaki, Junichiro; Tagawa, Hiroaki; Isobe, Kensuke; Tajika, Motoaki; Koshiro, Ikumasa; Maruyama, Hideki; Hirano, Katsuhiko Kinetics of the Electrode Reaction at the H2-H2O Porous Pt/Stabilized Zirconia Interface	8	1674
Mizusaki, Junichiro; Tagawa, Hiroaki; Saito, Takatoshi; Kamitani, Kouji; Yamamura, Tamaki; Hirano, Katsuhiko; Ehara, Shaw; Takagi, Toshinori; Hikita, Tomoji; Ippommatsu, Masamichi; Nakagawa, Shigeto; Hashimoto, Keiichi Preparation of Nickel Pattern Electrodes on YSZ and Their Electrochemical Properties in H2-H2O Atmospheres	8	2129
Mochizuki, N., *see* Watanabe, Masahiro	2	342
Modi, Vijay, *see* Wang, Xiaodong	10	2753
Moene, R.; Dekker, J. P.; Makkee, M.; Schoonman, J.; Moulijn, J. A. Evaluation of Isothermal Chemical Vapor Infiltration with Langmuir-Hinshelwood Type Kinetics	1	282
Moffat, T. P. Electrodeposition of Al-Cr Metallic Glass	9	L115
Moffat, T. P. Electrodeposition of Ni1-xAlx in a Chloroaluminate Melt	11	3059
Mogensen, Gurli, *see* Mogensen, Mogens	8	2122
Mogensen, Mogens; Lindegaard, Thomas; Hansen, Uffe Rud; Mogensen, Gurli Physical Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped CeO2	8	2122
Mogul, H. C., *see* Steckl, Andrew J.	3	674
Molloy, J., *see* Liu, J. S.	4	L38
Momma, Toshiyuki, *see* Osaka, Tetsuya	8	1994
Momma, Toshiyuki; Nishimura, Ken; Osaka, Tetsuya; Kondo, Naoko; Nakamura, Sadako Electrochemical Properties of a Polypyrrole/Polystyrenesulfonate Composite Film and Its Application to Rechargeable Lithium Battery Cathodes	9	2326

Author	Issue	Page
Monahov, B.; Pavlov, D. Influence of Antimony on the Structure and the Degree of Hydration of the Anodic PbO2 Layer Formed on Pb-Sb Electrodes	9	2316
Monk, David J.; Soane, David S.; Howe, Roger T. Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. I. Experimental Observations	1	264
Monk, David J.; Soane, David S.; Howe, Roger T. Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. II. Modeling	1	270
Monkman, A. P., *see* Goldenberg, L. M.	6	1573
Montgomery, J. S., *see* Carter, R. J.	11	3136
Moon, Bong Seok, *see* Kim, Eunkyoung	3	L26
Moore, B. T., *see* Farahani, M. M.	2	479
Moran, Patrick J., *see* Shifler, D. A.	4	934
Moran, Patrick J., *see* Streinz, Christopher C.	5	1126
Moran, Patrick J., *see* Streinz, Christopher C.	5	1132
More, B. M., *see* Deshmukh, L. P.	7	1779
Morell, A., *see* Barthou, Charles	2	524
Mori, Hirotaro, *see* Yae, Shinji	11	3077
Mori, Schoichiro, *see* Ue, Makoto	11	2989
Morigami, Mitsuaki, *see* Tanaka, Toshihiko	12	L169
Morimitsu, M., *see* Matsunaga, Morio	9	2413
Morimoto, Yoshihiro; Nakanishi, Shiroh; Oda, Nobuhiko; Yamaji, Toshifumi; Matuda, Hiroshi; Ogata, Hidenori; Yoneda, Kiyoshi Influence of the Existence of an Underlying SiO2 Layer on the Lateral Solid-Phase Epitaxy of Amorphous Silicon	1	188
Morin, Michel; Koyanagi, Mitsu; Friedt, Jean Marie; Hirose, M. Metal Impurity Evaluation in Silane Gas from the Qualification of Poly-Si Layers	1	274
Morinaga, Hitoshi; Suyama, Makoto; Ohmi, Tadahiro Mechanism of Metallic Particle Growth and Metal-Induced Pitting on Si Wafer Surface in Wet Chemical Processing	10	2634
Morita, K., *see* Maeda, Y.	2	566
Morita, M., *see* Maeda, Y.	2	566
Morita, Makoto, *see* Kanehisa, Osam	11	3188
Morita, Masayuki, *see* Ishikawa, Masashi	12	L159
Morita, Masayuki, *see* Ishikawa, Masashi	5	1105
Morita, Masayuki; Miyazaki, Seijiro; Tanoue, Hiroyuki; Ishikawa, Masashi; Matsuda, Yoshiharu Electrochemical Behavior of Polyaniline-Poly(styrene sulfonate) Composite Films in Organic Electrolyte Solutions	6	1409
Morita, Masayuki, *see* Ishikawa, Masashi	7	1730
Morita, Shigenori, *see* Onoda, Mitsuyoshi	2	338
Morita, Sinzo, *see* Inanami, Ryoichi	9	2541
Moriya, N., *see* Miller, Barry	4	L41
Morrissey, J. A., *see* Burke, L. D.	9	2361
Mortimer, J. Thomas, *see* Morton, Susan L.	1	122
Morton, Susan L.; Daroux, Mark L.; Mortimer, J. Thomas The Role of Oxygen Reduction in Electrical Stimulation of Neural Tissue	1	122
Moslehi, Mehrdad M., *see* Schaper, Charles D.	11	3200
Mouche, Laurent; Tardif, F.; Derrien, J. Particle Deposition on Silicon Wafers during Wet Cleaning Processes	6	1684
Moulijn, J. A., *see* Moene, R.	1	282
Muller, F., *see* Bsiesy, A.	11	3071
Müller, G., *see* Seidl, Albrecht	9	2564
Muller, Rolf H., *see* Sutija, Davor P.	6	1477
Muller, Rolf H., *see* Zhang, S. T.	10	2677
Multani, Jagir S., *see* Shan, Hongqing	10	2904
Munichandraiah, N., *see* Kamath, P. Vishnu	11	2956
Muñoz, Javier, *see* Bratov, Andrey	9	L111
Murahashi, T., *see* Aragane, J.	7	1804
Murai, Fumio, *see* Tanaka, Toshihiko	12	L169
Murakami, K., *see* Miyazaki, H.	3	734
Murakami, Kazuhiro, *see* Hamasaki, Yasuyuki	3	660
Murakami, Susumu Formation Mechanism of Supposed Negative Fixed Charges in Glass	11	3193
Murakami, Yasushi; Miwa, Koji; Ueno, Mitsuo; Ito, Minoru; Yahikozawa, Kiyochika; Takasu, Yoshio Morphology of Ultrafine RuO2-IrO2 Binary Oxide Particles Prepared by a Sol-Gel Process	9	L110
Murakami, Yasushi, *see* Ito, Minoru	5	1243
Murakami, Yasushi; Naoi, Katsuo; Yahikozawa, Kiyochika; Takasu, Yoshio High-Resolution Images of Pd Particles Supported on Highly Oriented Pyrolytic Graphite and Glassy Carbon	9	2511
Muraki, Kazuhiko, *see* Kiyota, Yukihiro	8	2241
Muraoka, Hisashi, *see* Akiya, Hideo	10	L139
Murarka, S. P., *see* Steigerwald, J. M.	10	2842
Murarka, S. P., *see* Steigerwald, J. M.	12	3512
Murata, M.; Yamauchi, K.; Kojima, H.; Iwamori, T. Positive Charge Induced by Inorganic Spin-On-Glass. Influence of Silicon Oxide with High Yield of Water Absorption	6	1628
Murphy, Mary Michelle; Van herle, J.; McEvoy, A. J.; Thampi, K. Ravindranathan Electroless Deposition of Electrodes in Solid-Oxide Fuel Cells	8	L94
Murray, R. W., *see* Wall, J. F.	1	306
Myers, Frank R.; Ramaswami, Manjula; Cale, Timothy S. Prediction of Ion Energy and Angular Distributions in Single and Dual Frequency Plasmas	5	1313
Näfe, H.; Steinbrück, M. Electronic Conductivity of Polycrystalline Na-Beta-Alumina at High Temperatures	10	2779
Nagai, S., *see* Nakamura, Minoru	12	3576
Nagaoka, Tsutomu; Yamashita, Junji; Takase, Mika; Ogura, Kotaro Composite Electrodes Consisting of Metal and Oxidized Carbon Particles for Complete Degradation of Trichloroethylene in Acetonitrile	6	1522
Nagasubramanian, G.; Surampudi, S.; Halpert, G. Cycloaliphatic Epoxide-Based Photocured Gelled Electrolytes for Secondary Lithium Battery Applications. Electrochemical Kinetic Studies	6	1414
Nagayama, Masaichi, *see* Tamura, Hiroki	8	2035
Nair, M. T. S., *see* Estrada, César A.	3	802
Nair, M. T. S., *see* Huang, L.	9	2536
Nair, P. K., *see* Estrada, César A.	3	802
Nair, P. K., *see* Huang, L.	9	2536
Naito, Takuya, *see* Kihara, Naoko	11	3162
Nakacho, Y., *see* Feng, Qi	10	L135
Nakagawa, Shigeto, *see* Mizusaki, Junichiro	8	2129
Nakahara, S., *see* Chu, S. N. G.	1	242
Nakahara, S., *see* Georgiou, George E.	5	1351
Nakamura, Minoru; Kitamura, E.; Misawa, Y.; Suzuki, T.; Nagai, S.; Sunaga, H. Photoluminescence Measurement of Carbon in Silicon Crystals Irradiated with High Energy Electrons	12	3576
Nakamura, Sadako, *see* Momma, Toshiyuki	9	2326
Nakamura, Tohru, *see* Kiyota, Yukihiro	8	2241
Nakamura, Toshihide, *see* Watanabe, Masahiro	10	2659
Nakamura, Yoshinobu, *see* Jung, Sang-Jin	5	L53
Nakanishi, Isao, *see* Yae, Shinji	11	3077
Nakanishi, Shiroh, *see* Morimoto, Yoshihiro	1	188
Nakanishi, Yoichiro, *see* Wickramanayaka, Sunil	10	2910
Nakase, Makoto, *see* Kihara, Naoko	11	3162
Nakato, Y., *see* Ishida, T.	5	1357
Nakato, Yoshihiro, *see* Yae, Shinji	11	3077
Nakato, Yoshihiro, *see* Yae, Shinji	11	3080
Nakayama, Hiroshi, *see* Onoda, Mitsuyoshi	2	338
Nakayama, Takahiro Structure of TiO2/SiO2 Multilayer Films	1	237
Naoi, Katsuo, *see* Murakami, Yasushi	9	2511
Narusawa, Uichiro Si Deposition from Chlorosilanes. I. Deposition Modeling	8	2072
Narusawa, Uichiro Si Deposition from Chlorosilanes. II. Numerical Analysis of Thermofluid Effects on Deposition	8	2078
Naumann, F., *see* Lange, P.	1	259
Neitzert, H. C., *see* Fahrner, W. R.	8	2151
Neitzert, H. C.; Löffler, St.; Klausmann, E.; Fahrner, W. R. Metal-Oxide-Semiconductor Capacitance Measurements on Amorphous Silicon	9	2474
Nelson, Art J., *see* Gheorghita, Ligia	2	529
Nemanich, R. J., *see* Carter, R. J.	11	3136
Neureither, Bernhard, *see* Cote, Donna	12	3456
Newman, D. S., *see* Tumidajski, Peter J.	4	895
Newman, John, *see* Fuller, Thomas F.	1	1
Newman, John, *see* Mao, Z.	1	54
Newman, John; Battaglia, Vincent Magnetic Field Effects in High-Power Batteries. I. The Penetration of an Electric Field into a Cylindrical Conductor	3	703
Newman, John, *see* Battaglia, Vincent	3	708
Newman, John, *see* Fuller, Thomas F.	4	982
Newman, R. C., *see* Ryan, M. P.	12	L164
Newsome, J. R., *see* Periasamy, Ravi	6	1653
Ng, Lily M., *see* Fan, Qinbai	12	3389
Nguyen, B. C., *see* Kwok, Kurt	8	2172
Nguyen, Son Van; Nguyen, T.; Treichel, H.; Spindler, O. Plasma-Assisted Chemical Vapor Deposition and Characterization of Boron Nitride Films	6	1633
Nguyen, Son, *see* Cote, Donna	12	3456
Nguyen, T. V., *see* Kim, Junbom	2	333
Nguyen, T., *see* Nguyen, Son Van	6	1633
Nicollian, Edward H.; Chatterjee, Ajay The Profile of Electrically Active Phosphorus in Silicon after Thermal Oxidation	12	3580
Nielsen, J. A., *see* Mao, Bor-Yen	4	1082
Niemann, U., *see* Miller, M.	10	2774
Niikura, Junji, *see* Hatoh, Kazuhito	7	1725
Niki, Hirokazu, *see* Hayase, Rumiko	11	3141
Nikulski, R., *see* Weber, A.	3	849
Nishi, Shiro, *see* Matsumoto, Morihiko	8	1999
Nishida, Kazufumi, *see* Kuwabata, Susumu	6	1498
Nishihara, Hiroshi, *see* Itoh, Miki	2	352
Nishihara, Hiroshi, *see* Itoh, Miki	8	2018
Nishijima, Motoaki; Tadokoro, Noriko; Takeda, Yasuo; Imanishi, Nobuyuki; Yamamoto, Osamu Li Deintercalation-Intercalation Reaction and Structural Change in Lithium Transition Metal Nitride, Li7MnN4	11	2966
Nishimoto, Sei-ichi, *see* Ohtani, Bunsho	9	2439
Nishimura, Ken, *see* Osaka, Tetsuya	8	1994
Nishimura, Ken, *see* Momma, Toshiyuki	9	2326
Nishina, Tatsuo; Uchida, Isamu; Selman, J. R. Gas Electrode Reactions in Molten Carbonate Media. V. Electrochemical Analysis of the Oxygen Reduction Mechanism at a Fully Immersed Gold Electrode	5	1191
Niwano, Michio; Kinashi, Koji; Saito, Kazuhiko; Miyamoto, Nobuo; Honma, Koji Ultraviolet-Induced Deposition of SiO2 Film from Tetraethoxysilane Spin-Coated on Si	6	1556
Noda, Susumu, *see* Wang, Xue-Lun	9	2573
Nogami, Gyoichi, *see* Hamasaki, Yasuyuki	3	660
Nogami, Gyoichi; Itagaki, Hideo; Shiratsuchi, Ryuichi Pulsed Electroreduction of CO2 on Copper Electrodes-II	5	1138
Nogami, Gyoichi; Sei, Hiroyuki; Aoki, Akihiko; Ohkubo, Suehiro; Hamasaki, Y. Electroluminescence Transient and Its Application to Kinetic Study on Electrode Reactions Caused by Carrier Tunneling in Semiconductor Electrodes	12	3410
Noguchi, Yoshikazu, *see* Saeki, Tomonori	9	L130
Nomura, H., *see* Mieno, F.	8	2166
Nomura, Shigeru, *see* Kamal, Abu Hena Mostafa	8	2227
Norton, James F., *see* Tyagi, Ritu	8	2188
Nuwa, Y., *see* Matsuguchi, Masanobu	3	614
Nyberg, T., *see* Bárdos, L.	2	374
Nystrom, E. A.; Lee, J. B.; Sagüés, Alberto A.; Pickering, H. W. An Approach for Estimating Anodic Current Distributions in Crevice Corrosion from Potential Measurements	2	358
Obata, S., *see* Matsunaga, Morio	9	2413
Oblonsky, L. J.; Devine, Thomas M.; Ager, J. W., III; Perry, Scott S.; Mao, X. L.; Russo, R. E. Surface-Enhanced Raman Scattering from Pyridine Adsorbed on Thin Layers of Stainless Steel	12	3312
Oda, Nobuhiko, *see* Morimoto, Yoshihiro	1	188
Ogata, Hidenori, *see* Morimoto, Yoshihiro	1	188
Ogata, Tamotsu, *see* Sorita, Tetsuji	12	3505
Ogawa, Taro, *see* Tanaka, Toshihiko	12	L169
Ogle, Kevin M.; Gabrielli, Claude; Keddam, M.; Perrot, H. In Situ Monitoring of Phosphatation Reactions on Zn Using the Quartz Crystal Microbalance	10	2655
Ogumi, Zempachi, *see* Katakura, Katsumi	7	1827
Ogumi, Zempachi, *see* Yasuda, Kazuaki	9	2350
Ogumi, Zempachi, *see* Inaba, Minoru	10	2579
Ogura, K.; Sugihara, H.; Yano, J.; Higasa, M. Electrochemical Reduction of Carbon Dioxide at Dual-Film Electrodes Modified With and Without Cobalt(II) and Iron(II) Complexes	2	419
Ogura, Kotaro; Sakurai, K.; Uehara, S. Room-Temperature Coloration of Stainless Steel by Alternating Potential Pulse Method	3	648

Author	Issue	Page
Ogura, Kotaro, *see* Nagaoka, Tsutomu	6	1522
Ohashi, Toshitaka, *see* Tasaka, Akimasa	6	1460
Ohkawauchi, Hiroyuki, *see* Ito, Minoru	5	1243
Ohkubo, Suehiro, *see* Hamasaki, Yasuyuki	3	660
Ohkubo, Suehiro, *see* Nogami, Gyoichi	12	3410
Ohkura, Makoto, *see* Kobayashi, Takashi	5	1365
Ohmi, T., *see* Kikuyama, H.	2	366
Ohmi, T., *see* Maeno, Matagoro	10	2649
Ohmi, Tadahiro, *see* Hirose, Kouichi	1	192
Ohmi, Tadahiro, *see* Ishihara, Yoshio	1	246
Ohmi, Tadahiro, *see* Maeda, Y.	2	566
Ohmi, Tadahiro, *see* Morinaga, Hitoshi	10	2834
Ohno, Katsutoshi; Abe, Tomohiko: The Synthesis and Particle Growth Mechanism of Bright Green Phosphor YAG:Tb	5	1252
Ohsawa, Akira, *see* Fukuda, Tetsuo	8	2216
Ohsawa, Hiroshi, *see* Jung, Sang-Jin	5	L53
Ohta, Masatoshi, *see* Sato, Mineo	7	1851
Ohta, Tomohiro, *see* Kondoh, Eiichi	12	3494
Ohtani, Bunsho; Iwai, Kunihiro; Nishimoto, Sei-ichi; Inui, Tomoyuki: Electrochromism of Niobium Oxide Thin Films Prepared by the Sol-Gel Process	9	2439
Ohtsuka, Hideaki, *see* Shodai, Takahisa	10	2611
Ohtsuka, Hideaki, *see* Shodai, Takahisa	11	2978
Ohzuku, Tsutomu, *see* Ueda, Atsushi	8	2010
Ohzuku, Tsutomu; Ueda, Atsushi: Solid-State Redox Reactions of LiCoO2 (R3m) for Four-Volt Secondary Lithium Cells	11	2972
Oizumi, Hiroaki, *see* Tanaka, Toshihiko	12	L169
Oka, Y., *see* Yanase, Yoshio	11	3259
Okada, Osamu, *see* Jung, Sang-Jin	5	L53
Okada, Yoshio; Tobin, Philip J.; Reid, Kimberly G.; Hegde, Rama I.; Ajuria, Sergio A.: Uniformity of the N2O Furnace Oxynitride Process for the Formation of Thin Tunnel Dielectrics	12	3500
Okamoto, Y., *see* Lee, H. S.	4	886
Okamura, Teruhiko, *see* Kanehisa, Osam	11	3188
Oiowolafe, O., *see* Jawarani, D.	1	302
Olson, E. C., *see* Haupfear, E. A.	7	1943
Oltra, R.; Efimov, I. O.: Calibration of an Electrochemical Quartz Crystal Microbalance during Localized Corrosion	7	1838
Omata, Koji, *see* Saeki, Tomonori	9	L130
Onishi, Yasunobu, *see* Hayase, Rumiko	11	3141
Onoda, Mitsuyoshi; Nakayama, Hiroshi; Morita, Shigenori; Yoshino, Katsumi: Properties of Electrochemically Cation-Doped Poly(isothianaphthene)	2	338
Onodera, Masanobu, *see* Hirose, Kouichi	1	192
Ooi, Kenta, *see* Feng, Qi	10	L135
Orel, B.; Lavrencic-Stangar, U.; Kalcher, K.: Electrochemical and Structural Properties of SnO2 and Sb:SnO2 Transparent Electrodes with Mixed Electronically Conductive and Ion-Storage Characteristics	9	L127
Orent, Tom: Electrical Characteristics of Zinc Sulfide Thin Films Deposited by Various Methods	5	1320
Ortiz, A., *see* Falcony, Ciro	10	2860
Ortiz, R., *see* Martinez, Y.	5	1109
Osaka, Tetsuya, *see* Shimauchi, Hidenori	6	1471
Osaka, Tetsuya; Momma, Toshiyuki; Nishimura, Ken; Kakuda, Satoko; Ishii, Takayuki: Application of Solid Polymer Electrolyte to Lithium/Polypyrrole Secondary Battery System	8	1994
Osaka, Tetsuya, *see* Momma, Toshiyuki	9	2326
Osteryoung, Robert A., *see* Carlin, Richard T.	7	1709
Osteryoung, Robert A., *see* Carter, Michael T.	7	1713
Ostvold, T., *see* Christensen, E.	5	1212
Ota, Ken-ichiro, *see* Yushitake, Hideaki	9	2516
Otero, T. F., *see* Martinez, Y.	5	1109
Otoshi, Shoji, *see* Suzuki, Minoru	7	1928
Ottova, Angelica, *see* Zhou, T. A.	5	1142
Owens, Boone B., *see* Shodai, Takahisa	10	2611
Owens, Boone B., *see* Shodai, Takahisa	11	2978
Oyama, Noboru, *see* Takeshita, K.	8	2004
Oyasato, Naohiko, *see* Hayase, Rumiko	11	3141
Ozawa, Kiyoshi; Miyazaki, Katsuyuki; Majima, Teiji: Anodic Oxide Films as a Gate Dielectric for a Thin Film Transistor	5	1325
Ozawa, Susumu, *see* Shimauchi, Hidenori	6	1471
Öztürk, Mehmet C., *see* Violette, Katherine E.	11	3269
Pagnier, T., *see* Gharbage, B.	8	2118
Paik, Chi-Hum, *see* Rynders, Rebecca Mohr	6	1439
Pal, Uday, *see* Yuan, Shi	2	467
Pan, Chenyu; Chu, C. Judith; Margrave, John L.; Hauge, Robert H.: Chlorine-Activated Diamond Chemical Vapor Deposition	11	3246
Pang, Stella W., *see* Ko, K. K.	1	255
Pankuch, M., *see* Mansour, Azzam N.	6	L69
Pansewicz, K., *see* Furtak, T. E.	9	2369
Pant, J., *see* Furtak, T. E.	9	2369
Papesouliotis, George D.; Sotirchos, Stratis V.: On the Homogeneous Chemistry of the Thermal Decomposition of Methyltrichlorosilane. Thermodynamic Analysis and Kinetic Modeling	6	1599
Papon, A. M., *see* Deleonibus, S.	10	2811
Paradis, P., *see* Fan, Chonglun	2	382
Parekh, Nitin S.; Taylor, R. V.; Massetti, D. O.: A Simple Method to Control Bipolar Polysilicon Emitter Interfacial Oxide	11	3167
Park, H.-K.; Smyrl, William H.: V2O5 Xerogel Films as Intercalation Hosts for Lithium	3	L25
Park, Heemyong; Jones, Kevin S.; Law, Mark E.: A Point Defect Based Two-Dimensional Model of the Evolution of Dislocation Loops in Silicon during Oxidation	3	759
Park, Jongman; Shaw, Brenda R.: Improved Performance of Unmodified and Cobalt Phthalocyanine-Modified Carbon-Kel-F Composite Electrodes	2	323
Park, Su-Moon, *see* Zhang, Haiyan	3	718
Park, Su-Moon, *see* Zhang, Haiyan	8	1998
Park, Su-Moon, *see* Zhang, Haiyan	9	2422
Parsons, J. D., *see* Kruaval, G. B.	3	765
Parsons, J. D.; Kruaval, G. B.: Morphological Structure of Silicon Carbide, Chemically Vapor Deposited on Titanium Carbide Using Ethylene, Carbon Tetrachloride, and Silicon Tetrachloride	3	771
Parsons, J. D., *see* Wu, J.	10	2915
Parthasarathy, Arvind, *see* Brumlik, Charles J.	9	2273
Passerini, Stefano; Loutzky, S.; Scrosati, Bruno: New Thin-Layer Solid-State Lithium Polymer Batteries	7	L80
Passerini, Stefano; Scrosati, Bruno: Characterization of Nonstoichiometric Nickel Oxide Thin-Film Electrodes	4	889
Passerini, Stefano; Scrosati, Bruno; Hermann, Vincent; Holmblad, CarolAnn; Bartlett, Terese: Laminated Electrochromic Windows Based on Nickel Oxide, Tungsten Oxide, and Gel Electrolytes	4	1025
Passerini, Stefano, *see* Croce, Fausto	6	1405
Patel, Pravina, *see* Kao, Wen-Hong	12	3300
Pauleau, Yves, *see* Maréchal, Nadine	6	1691
Paunovic, Milan; Bailey, Philip J.; Schad, Robert G.; Smith, David A.: Electrochemically Deposited Diffusion Barriers	7	1843
Pavlov, D., *see* Monahov, B.	9	2316
Pearce, C. W.; Marshall, G. A.; Roman, R. J.: An Absorbing Layer Approach to Reducing Reflections in Multilayer Metal Lithographic Processes	5	1375
Pearton, S. J.; Abernathy, C. R.; Kopf, R. F.; Ren, F.: Low Temperature Chlorine-Based Dry Etching of III-V Semiconductors	8	2250
Peiner, E., *see* Klockenbrink, R.	6	1594
Pembie, Martyn E., *see* Abdul-Ridha, H. H.	7	1886
Peng, Marcus Y., *see* Doeff, Marca M.	11	L145
Perdomo, G., *see* Martinez, Y.	5	1109
Perez, Joelma; Tanaka, Auro A.; Gonzalez, Ernesto R.; Ticianelli, Edson A.: Application of the Flooded-Agglomerate Model to Study Oxygen Reduction on Thin Porous Coating Rotating Disk Electrode	2	431
Periasamy, Ravi; Ensor, D. S.; Donovan, R. P.; Clayton, A. C.; Riddle, J.: Measurement of Particle Emissions from Clean Room Gas-Handling Components	6	1649
Periasamy, Ravi; Newsome, J. R.; Ensor, D. S.; Donovan, R. P.; Riddle, J.: Measurement of Moisture and Total Hydrocarbon Contributions by Valves Used in Clean Room Gas-Delivery Systems	6	1653
Perrot, H., *see* Arkam, C.	9	L103
Perrot, H., *see* Ogle, Kevin M.	10	2655
Perry, Scott S., *see* Oblonsky, L. J.	12	3312
Peter, Laurence M., *see* Schlichthörl, G.	12	L171
Peters, Dennis G., *see* Pritts, Wayne A.	4	990
Peters, Dennis G., *see* Pritts, Wayne A.	12	3318
Petersson, Sture, *see* Ljungberg, Karin	10	2829
Petrov, Konstantin; Rostami, Abbas A.; Visintin, Arnaldo; Srinivasan, Supramaniam: Optimization of Composition and Structure of Metal-Hydride Electrodes	7	1747
Petty, M. C., *see* Goldenberg, L. M.	6	1573
Pham, Minh-Chau; Lacaze, P. Camille: Study of the Redox Process of Poly(2-Naphthol) Film Using In Situ Multiple Internal Reflection FTIR Spectroscopy	1	156
Phelan, Patrick E.; Hijikata, Kunio: Thermal Component of the Optical Response of Thin-Film High-Tc Superconductors	3	810
Phillips, Richard J.; Golden, Teresa D.; Shumsky, Mark G.; Switzer, Jay A.: Evolution of Crystallinity during the Electrodeposition of Body-Centered Cubic Thallium(III) Oxide onto Glassy Carbon	9	2391
Pickering, H. W., *see* Nystrom, E. A.	2	358
Pino, L., *see* Shukla, A. K.	6	1517
Pint, Bruce A.; Hobbs, L. W.: Limitations on the Use of Ion Implantation for the Study of the Reactive Element Effect on Beta-NiAl	9	2443
Pintauro, Peter N., *see* Anantharaman, V.	10	2729
Pintauro, Peter N., *see* Anantharaman, V.	10	2742
Pintchovski, F., *see* Jawarani, D.	1	302
Pinto, R., *see* Kumar, Dhananjay	6	1611
Piqueras, J., *see* Hernandez, M. J.	11	3234
Piron, D. L., *see* Fan, Chonglun	2	382
Piron, Dominique L., *see* Massé, Normand	3	664
Pittermann, Udo; Reining, Robert; Weil, Konrad G.: Fast Impedance Analysis of a Surface Microstructure during Anodic Oxidation of a Copper/Gold Alloy	12	3416
Plat, Marina, *see* Conley, Willard	4	1034
Plichta, E. J.; Behl, Wishvender K.; Chang, W. H. S.; Schleich, D. M.: The Rechargeable LiAl/Li3.6Ge0.6V0.4O4/TiS2 High Temperature Solid-State Cell	6	1418
Plomp, L., *see* Vossen, Jack P. T.	11	3040
Plummer, James D., *see* Roth, David J.	4	1074
Podlaha, E. J.; Cheh, Huk Y.: Modeling of Cylindrical Alkaline Cells. V. High Discharge Rates	1	15
Podlaha, E. J.; Cheh, Huk Y.: Modeling of Cylindrical Alkaline Cells. VI. Variable Discharge Conditions	1	28
Podlaha, E. J.; Cheh, Huk Y.: Modeling of Cylindrical Alkaline Cells. VII. A Wound Cell Model	7	1751
Poggi, Antonella; Succi, Enrichetta; Butturi, Maria Angela; Carotta, Maria Cristina: Rapid Thermal Annealing of p-Type Silicon. Correlation Between Deep-Level Transient Spectroscopy and Lifetime Measurements	3	754
Poignet, J. C., *see* Gabriel, J. C.	9	2286
Poirier, Jeffrey A.; Stoner, Glenn E.: Microstructural Effects on Electrocatalytic Oxygen Reduction Activity of Nano-Grained Thin-Film Platinum in Acid Media	2	425
Pokrovskiy, Nikolay L., *see* Zavracky, Paul M.	11	3182
Polyakov, E. G., *see* Polyakova, L. P.	11	2982
Polyakova, L. P.; Polyakov, E. G.; Matthiesen, F.; Christensen, E.; Bjerrum, Niels J.: Electrochemical Study of Tantalum in Fluoride and Oxofluoride Melts	11	2982
Poort, S. H. M., *see* van Schaik, W.	8	2201
Popov, B. N., *see* Zheng, G.	5	1220
Popov, B. N., *see* Zheng, G.	6	1526
Porat, O.; Riess, Ilan: Double-Solid Electrochemical Cell for Controlling Oxygen Concentration in Oxides	6	1533
Porter, Marc D., *see* Lin, Ching-Feng	1	96
Povey, I. M., *see* Abdul-Ridha, H. H.	7	1886
Prasad, Ila; Srivastava, R. S.: Effect of Negative Air Corona-Stress on Metal-Oxide-Semiconductor Capacitors	2	572
Preuss, A.; Adolphi, B.; Drescher, K.: Oxidation of In-48Sn	10	2784
Price, D., *see* Steigerwald, J. M.	10	2842
Pride, S. T.; Scully, John R.; Hudson, J. L.: Metastable Pitting of Aluminum and Criteria for the Transition to Stable Pit Growth	11	3028
Pritts, Wayne A.; Peters, Dennis G.	4	990

Author	Issue	Page
Electrochemical Reduction of 1,3-Dihalopropanes at Carbon Cathodes in Dimethylformamide		
Pritts, Wayne A.; Peters, Dennis G.	12	3318
Electrochemical Reduction of 1,5-Dihalopentanes at Carbon Cathodes in Dimethylformamide		
Propst, Eric K.; Kohl, Paul A.	4	1006
The Electrochemical Oxidation of Silicon and Formation of Porous Silicon in Acetonitrile		
Proverbio, E., *see* Lazarouk, S.	9	2556
Provost, L. G., *see* Shor, Joseph S.	2	579
Purón, E., *see* Hernández, L.	11	3238
Putvinski, T. M., *see* Law, Henry H.	7	1977
Pyo, Myoungho,		
see Reynolds, John R.	1	35
Qayyum, Muhammad M. B.,		
see Kathirgamanathan, Poopathy	1	147
Qingfeng, Li; Gang, Xiao; Hjuler, Hans Aage;		
Berg, R. W.; Bjerrum, Niels J.	11	3114
Limiting Current of Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric Acid Fuel Cells		
Qiu, Yong-Jian,		
see Reynolds, John R.	1	35
Quesnel, Etienne,		
see Maréchal, Nadine	6	1691
Quinlan, Kenneth P.; Rai, Amarendra K.;		
Wittberg, Thomas N.	5	1161
Study of the Oxidation of n-InP with Low Carrier Concentrations in the Negative Potential Region		
Raber, S., *see* Barkey, D. P.	5	1206
Raghavan, Srini, *see* Jan, Der'E	9	2465
Rai, Amarendra K.,		
see Quinlan, Kenneth P.	5	1161
Rajeshwar, K., *see* Chen, C. C.	11	2942
Rajeshwar, Krishnan,		
see Wampler, Wesley A.	2	L13
Ramam, A.; Chua, S. J.	2	576
Distribution of Photoresist over GaAs Mesa Structures		
Ramana, P. Venkata; Sutyanarayana, B. Satya;		
Ravindranath, L. K.	5	1114
Effect of Temperature and Evaluation of Thermodynamic Parameters for the Polarographic Behavior of 3-Methyl-4-(2'-substituted benzeneazo)-2-isoxazolin-5-ones		
Ramaswami, Karthik;		
Selman, J. Robert	3	619
Rotating Disk Studies in Molten Carbonates. I. Electrode Design		
Ramaswami, Karthik; Selman, J. R.	3	622
Rotating Disk Studies in Molten Carbonates. II. Meniscus and Film Effects		
Ramaswami, Karthik;		
Selman, J. Robert	9	2336
Rotating Disk Studies in Molten Carbonates. III. Diffusion Coefficient and Bulk Concentration in Lithium Carbonate		
Ramaswami, Manjula,		
see Myers, Frank R.	5	1313
Rane, B. P., *see* Deshmukh, L. P.	7	1779
Ransom, Craig; Jackson, T. N.; DeGelormo, J. F.;		
Zeller, C.; Kotecki, D. E.; Graimann, C.;		
Sadana, D. K.; Benedict, J.	5	1378
Shallow n+ Junctions in Silicon by Arsenic Gas-Phase Doping		
Ranta-aho, Timo, *see* Ylilammi, M.	5	1278
Rapp, Robert A.,		
see Strawbridge, Anna	7	1905
Rappich, J.; Jungblut, H.; Aggour, M.;		
Lewerenz, H. J.	8	L99
Electrochemical Smoothing of Silicon (111)		
Rastogi, A. C., *see* Garg, Archana	6	1566
Ratkje, Signe Kjelstrup,		
see Grimstvedt, A.	5	1236
Ratnakumar, B. V.; Witham, C.; Fultz, B.;		
Halpert, G.	8	L89
Electrochemical Evaluation of La-Ni-Sn Metal Hydride Alloys		
Ravikumar, M. K., *see* Shukla, A. K.	6	1517
Ravindranath, L. K.,		
see Ramana, P. Venkata	5	1114
Ray, W., *see* Roth, Scott S.	8	2178
Razzini, G., *see* Cattarin, Sandro	5	1100
Reda, M. R., *see* Alhajji, J. N.	6	1432
Reid, Kimberly G.,		
see Okada, Yoshio	12	3506
Reining, Robert, *see* Pittermann, Udo	12	3416
Reisman, A., *see* Wang, Q. S.	2	593
Reisman, Arnold, *see* Wang, Q. S.	4	1086
Rembetski, J. F., *see* Gu, Tieer	11	3230
Ren, F., *see* Pearton, S. J.	8	2250
Revenga, Juan; Rodriguez, Francisco;		
Tijero, Julio	2	330
Study of the Redox Behavior of Anthraquinone in Aqueous Medium		
Revesz, A. G., *see* Afanas'ev, V. V.	10	2801
Reynolds, Jeff, *see* Roy, Sudipto R.	8	2257
Reynolds, John R.; Pyo, Myoungho;		
Qiu, Yong-Jian	1	35
Charge and Ion Transport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during Redox Switching		
Rhee, Shi-Woo, *see* Choi, Hee-Seok	2	475
Rhee, Suh Bong,		
see Kim, Eunkyoung	3	L26
Rho, Yong Woo; Velev, Omourtag A.;		
Srinivasan, Supramaniam;		
Kho, Young Tai	8	2084
Mass Transport Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis		
Rho, Yong Woo; Srinivasan, Supramaniam;		
Kho, Young Tai	8	2089
Mass Transport Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis		
Ricco, A. J., *see* Howard, Arnold J.	12	3556
Riddle, J., *see* Periasamy, Ravi	6	1649
Riddle, J., *see* Periasamy, Ravi	6	1653
Ridgeway, R. G.; Ketkar, S. N.;		
Martinez de Pinillos, J. V.	9	2478
Use of Atmospheric Pressure Ionization Mass Spectrometry to Monitor Hydrocarbon Type Impurities in Bulk Nitrogen		
Rieger, D. L., *see* Howard, Arnold J.	12	3556
Riess, Ilan, *see* Porat, O.	6	1533
Rikihisa, K., *see* Matsunaga, Morio	9	2413
Riley, Clyde, *see* Dasarathy, Harini	7	1773
Rios-Jara, D., *see* Godines, J. A.	8	2220
Ritala, Mikko, *see* Asikainen, Timo	11	3210
Rizk, R., *see* de Mierry, P.	6	1539
Roberds, B. E., *see* Farrens, Shari N.	11	3225
Robertson, Eric A., III;		
Fogler, H. Scott	10	2893
Laser-Enhanced Material Selectivity in N-GaAs/N-Al0.4Ga0.6As Heterostructures		
Robertson, Neil L.,		
see Webb, Patrick R.	3	669
Robinson, Heyward G.,		
see Lee, Cynthia C.	8	2245
Robles, S., *see* Kwok, Kurt	8	2172
Rocheleau, Richard E.; Zhang, Zhe;		
Iwane, Andrew; Hihara, Lloyd H.	7	1938
Effect of Hydrogen Bonding Characteristics on the Corrosion of Plasma-Deposited Silicon Nitride Films		
Rocher, V.; Chovelon, J. M.; Jaffrezic-Renault, N.;		
Cros, Y.; Birot, D.	2	535
An Oxynitride ISFET Modified for Working in a Differential Mode for pH Detection		
Roders, O., *see* Hillrichs, G.	11	3145
Rodriguez, Francisco,		
see Revenga, Juan	2	330
Roedel, Ronald J.,		
see Cutlerywala, H.	6	1639
Rogers, C., *see* Savinell, Robert	4	L46
Roman, J. M., *see* Gabriel, J. C.	9	2286
Roman, R. J., *see* Pearce, C. W.	5	1375
Romestain, R., *see* Bsiesy, A.	11	3071
Roos, J. R., *see* Haseeb, A. S. M. A.	1	230
Roos, J. R., *see* Bredael, E.	1	294
Roos, J. R., *see* Wouters, G.	2	397
Roos, J. R., *see* Ye, Xingpu	10	2698
Rosenblum, M.,		
see Kirowa-Eisner, E.	5	1183
Ross, Philip N., Jr.,		
see Gasteiger, Hubert A.	7	1795
Ross, Philip N., Jr.,		
see Markovic, Nenad M.	10	2500
Rostami, Abbas A.,		
see Petrov, Konstantin	7	1747
Roth, David J.; Plummer, James D.	4	1074
Oxidation-Enhanced Diffusion of Boron and Phosphorus in Heavily Doped Layers in Silicon		
Roth, Scott S.; Cooper, K. J.; Ray, W.;		
Kirsch, H. C.; Grove, Charlotte	8	2178
Offset Trench Isolation		
Roue, Lionel, *see* Bedioui, Fethi	11	3049
Roy, A., *see* Shukla, A. K.	6	1517
Roy, Sudipta; Matlosz, Michael;		
Landolt, D.	6	1509
Effect of Corrosion on the Composition of Pulse-Plated Cu-Ni Alloys		
Roy, Sudipto R.; Glynn, Phil; Hogan, Rod;		
Reynolds, Jeff	8	2257
A Novel Reactor Design Configuration for Contamination Control and Improved Performance in the Polysilicon Doping Process Using POCl3		
Rozgonyi, George A.,		
see Hong, Feng	12	3480
Rudkowska, G.,		
see Ciureanu, Mariana	12	3291
Rudkowski, P.,		
see Ciureanu, Mariana	12	3291
Rukavina, Thomas G.,		
see Ho, Kuo-Chuan	8	2061
Runnels, Scott R.; Eyman, L. Michael	6	1698
Tribology Analysis of Chemical-Mechanical Polishing		
Runnels, Scott R.	7	1900
Feature-Scale Fluid-Based Erosion Modeling for Chemical-Mechanical Polishing		
Russak, M. A., *see* Frankel, G. S.	1	83
Russo, R. E., *see* Oblonsky, L. J.	12	3312
Rutt, J. Steven,		
see Matsumoto, Morihiko	8	1989
Ryan, D. H., *see* Yang, Q. M.	8	2108
Ryan, D. H., *see* Yang, Q. M.	8	2113
Ryan, Dominic H.,		
see Ciureanu, Mariana	9	2430
Ryan, Dominic H.,		
see Ciureanu, Mariana	12	3291
Ryan, M. P.; Newman, R. C.;		
Thompson, G. E.	12	L164
Atomically Resolved STM of Oxide Film Structures on Fe-Cr Alloys during Passivation in Sulfuric Acid Solution		
Rybka, V., *see* Svorcik, V.	2	582
Rye, R. R., *see* Howard, Arnold J.	12	3556
Rynders, Rebecca M.;		
Alkire, Richard C.	5	1165
Use of In Situ Atomic Force Microscopy to Image Copper Electrodeposits on Platinum		
Rynders, Rebecca Mohr; Paik, Chi-Hum;		
Ke, Ruoru; Alkire, Richard C.	6	1439
Use of In Situ Atomic Force Microscopy to Image Corrosion at Inclusions		
Sabbatini, L., *see* Torsi, L.	10	2608
Sadana, D. K., *see* Ransom, Craig	5	1378
Sadaoka, Y.,		
see Matsuguchi, Masanobu	3	614
Saeki, Tomonori; Hashimoto, Kazuhito;		
Noguchi, Yoshikazu; Omata, Koji;		
Fujishima, Akira	9	L130
Electrochemical Reduction of Liquid CO2. Drastic Enhancement of Current Density		
Sagüés, Alberto A.,		
see Nystrom, E. A.	2	358
Saito, Kazuhiko, *see* Nawano, Michio	6	1556
Saito, Kunio; Higashi, Yasuhiro;		
Amazawa, Takao; Arita, Yoshinobu	7	1879
Reaction and Film Properties of Selective Titanium Silicide Low-Pressure Chemical Vapor Deposition		
Saito, Satoshi, *see* Kihara, Naoko	11	3162
Saito, Takatoshi,		
see Mizusaki, Junichiro	8	2129
Sakai, Akira, *see* Kamiyama, Satoshi	5	1246
Sakai, Hideo, *see* Kato, Hisayuki	11	3154
Sakai, Y., *see* Matsuguchi, Masanobu	3	614
Sakamoto, Y.; Kuruma, K.; Hirano, S.;		
Hirata, M.	7	1740
A Novel Active Material for the Negative Electrode in Alkaline Nickel Oxide Secondary Batteries		
Sakata, Tadayoshi, *see* Hara, Kohjiro	8	2097
Sakoh, T., *see* Maeda, Y.	2	566
Sakurai, K., *see* Ogura, Kotaro	3	648
Saleh, M. M., *see* El-Shakre, M. E.	2	441
Salerno, A., *see* Di Francia, G.	3	689
Salkind, A. J.,		
see Viswanathan, Vilayanur V.	10	2614
Salvarezza, R. C., *see* García, M. P.	9	2291
Sammells, Anthony F.,		
see Schwartz, Michael	11	3119
Sampson, R. K.; Conrad, K. A.;		
Massoud, Hisham Z.; Irene, E. A.	2	539
Wavelength Considerations for Improved Silicon Wafer Temperature Measurement by Ellipsometry		
Sampson, R. K.; Conrad, K. A.; Irene, E. A.;		
Massoud, Hisham Z.	3	737
Substrate Doping and Microroughness Effects in RTP Temperature Measurement by In Situ Ellipsometry		
Sanchez, J.-Y., *see* Alloin, F.	7	1915
Sanganeria, Mahesh K.,		
see Violette, Katherine E.	11	3269
Sani, Robert L., *see* Marinheim, Edna	2	546
Sano, M., *see* Winkler, Rainer	5	1398
Sano, M., *see* Yanase, Yoshio	11	3259
Sansome, Michael,		
see Davenport, Alison J.	1	L6
Santiago, Yolanda;		
Cabrera, Carlos R.	3	629
Surface Analysis and Electrochemistry of MoS2 Thin Films Prepared by Intercalation-Exfoliation Techniques		
Sapjeta, J., *see* Law, Henry H.	7	1977
Sapoval, B., *see* Chassaing, E.	10	2711
Saraswat, Krishna C.,		
see King, Tsu-Jae	8	2235
Saraswat, Krishna C.,		
see Schaper, Charles D.	11	3200
Sarathy, J., *see* Yau, Shueh-Lin	2	402
Sarma, D. D., *see* Shukla, A. K.	6	1517
Sasaki, Akio, *see* Wang, Xue-Lun	9	2573
Sasaki, Hirokazu, *see* Suzuki, Minoru	7	1928
Sasaki, K.; Seifert, H. P.;		
Gauckler, L. J.	10	2759
Electronic Conductivity of In2O3 Solid Solutions with ZrO2		
Sasaki, Takashi, *see* Akao, Noboru	5	1199
Satake, Tetsuya, *see* Sorita, Tetsuji	12	3505
Sato, Mineo; Tanaka, Tsutomu;		
Ohta, Masatoshi	7	1851
Photostimulated Luminescence and Structural Characterization of Ba5(PO4)3Cl:Eu2+ Phosphors		
Sato, Yoshiyuki; Kawashima, Izumi	5	1381
Fluorine-Enhanced Boron Migration into Oxide from Underlying Silicon		
Savadogo, O.; Essalik, A.	8	L92
2% Platinum-H2WO4 Based Electrocatalysts for Phosphoric Acid Fuel-Cell Cathode		
Savadogo, O.; Mandal, K. C.	10	2871
Low Cost Schottky Barrier Solar Cells Fabricated on		

Author	Issue	Page
CdSe and Sb2S3 Films Chemically Deposited with Silicotungstic Acid		
Savinell, Robert; Yeager, Ernest; Tryk, Donald; Landau, Uziel; Wainright, Jesse; Weng, D.; Lux, K.; Litt, Morton; Rogers, C. A Polymer Electrolyte for Operation at Temperatures up to 200 C	4	L46
Sawin, Herbert H., *see* Dalton, Timothy J.	7	1893
Sayed, Sayed M., *see* Ateya, Badr G.	1	71
Schad, Robert G., *see* Paunovic, Milan	7	1843
Schaper, Charles D.; Moslehi, Mehrdad M.; Saraswat, Krishna C.; Kailath, Thomas Modeling, Identification, and Control of Rapid Thermal Processing Systems	11	3200
Schefold, J.; Vetter, M. Solar Energy Conversion at the p-InP/Vanadium3+/2+ Semiconductor/Electrolyte Contact. A Study Based on Differential Capacitance and Current-Voltage Data	8	2040
Schlachetzki, A., *see* Klockenbrink, R.	6	1594
Schleich, D. M., *see* Plichta, E. J.	6	1418
Schlesier, Kenneth M., *see* Schnable, George L.	11	3250
Schlesinger, M., *see* Evans, W. Thomas	1	78
Schlesinger, Mordechay, *see* Simunovich, Danko	1	L10
Schlettwein, Derck, *see* Jaeger, N. I.	7	1735
Schlichthörl, G.; Peter, Laurence M.; Peter, Laurence M. Deconvolution of the Impedance of the Silicon/Electrolyte Interface by Potential Modulated-Microwave Measurements	12	L171
Schlotter, J. J. H., *see* van Schaik, W.	8	2201
Schmatz, U.; Delabouglise, G.; Labeau, M.; Garden, J. Electrical and Microstructural Studies of SnO2 Ceramics Obtained by Tin Sulfate Pyrolysis	11	3254
Schmidberger, Rainer, *see* Höfer, Heidi E.	3	782
Schmidt, Lanny D., *see* Haupfear, E. A.	7	1943
Schmidt, Wolfgang U.; Alkire, Richard C. Use of Atomic Force Microscopy to Image Surfaces during Fluid Flow	7	L85
Schmitt, Juergen; Helbig, R. Oxidation of 6H-SiC as a Function of Doping Concentration and Temperature	8	2262
Schmitz, John; Kang, Sien; Wolters, Rob; van den Aker, Karel The Dependence of the Stress Chemical Vapor Deposited Tungsten Films on Deposition Parameters	3	843
Schmuki, P.; Böhni, H. Large Area Photocurrent Behavior and Laser Spot Scanning of Passivated Stainless Steels	2	362
Schnable, George L.; Schlesier, Kenneth M.; Wu, Chung P.; Comizzoli, Robert B. Reliability Implications of Lateral Alkali-Ion Migration in MOS Integrated Circuits	11	3250
Schnegg, A., *see* Hillrichs, G.	11	3145
Schneider, T. P., *see* Carter, R. J.	11	3136
Schoonman, J., *see* Moene, R.	1	282
Schoonman, J., *see* Dekker, Jan Pieter	3	787
Schrott, A. G., *see* Frankel, G. S.	1	83
Schrott, A. G., *see* Kuo, Yue	2	502
Schwartzglass, O., *see* Berger, M.	8	2140
Schwartz, Michael; Vercauteren, Mark E.; Sammells, Anthony F. Fischer-Tropsch Electrochemical CO2 Reduction to Fuels and Chemicals	11	3119
Schwartz, Peter V.; Sturm, J. C. Oxygen Incorporation during Low Temperature Chemical Vapor Deposition Growth of Epitaxial Silicon Films	5	1284
Schwarz, M., *see* Kirowa-Eisner, E.	5	1183
Schweitz, J.-Å., *see* Hjort, K.	11	3242
Scordilis-Kelley, Charicles; Carlin, Richard T. Stability and Electrochemistry of Lithium in Room Temperature Chloroaluminate Molten Salts	4	873
Scott, A. D., Jr., *see* Ketkar, Suhas N.	1	184
Scrosati, Bruno, *see* Passerini, Stefano	7	L80
Scrosati, Bruno, *see* Passerini, Stefano	4	889
Scrosati, Bruno, *see* Passerini, Stefano	4	1025
Scrosati, Bruno, *see* Croce, Fausto	6	1405
Scrosati, Bruno, *see* Gerischer, H.	9	2297
Scully, J. R., *see* Kolman, D. G.	10	2633
Scully, J. R., *see* Lillard, R. S.	11	3006
Scully, John R., *see* Pride, S. T.	11	3028
Searson, P. C., *see* Vanmaekelbergh, D.	3	697
Sedahmed, G. H.; El-Abd, M. Z.; Zatout, A. A.; El-Taweel, Y. A.; Zaki, M. M.	2	437
Mass-Transfer Behavior of Electrochemical Reactors Employing Vibrating Screen Electrodes		
Segers, Luc, *see* Dang Van, Tan	4	927
Sei, Hiroyuki, *see* Hamasaki, Yasuyuki	3	660
Sei, Hiroyuki, *see* Nogami, Gyoichi	12	3410
Seidl, Albrecht; Marten, R.; Müller, G. Development of an Electrochemical Oxygen Sensor for Czochralski Silicon Melts	9	2564
Seifert, H. P., *see* Sasaki, K.	10	2759
Seletskaia, I. V., *see* Beklemishev, V. I.	2	554
Selman, J. R., *see* Ramaswami, Karthik	3	622
Selman, J. R., *see* Nishina, Tatsuo	5	1191
Selman, J. Robert, *see* Ramaswami, Karthik	3	619
Selman, J. Robert, *see* Ramaswami, Karthik	9	2338
Serre, C.; Barret, S.; Hérino, R. Characterization of the Electropolishing Layer during Anodic Etching of p-Type Silicon in Aqueous HF Solutions	8	2049
Severin, J. W.; Hokke, R.; van der Wel, H.; de With, G. The Influence of Thermal Treatments on the Adhesion of Electrolessly Deposited Ni(P) Layers on Alumina Ceramic	3	816
Shaban, A., *see* Kálmán, E.	12	3357
Shan, Hongqing; Srinivasan, B. K.; Jillie, Donald W., Jr.; Multani, Jagir S.; Lo, W. J. Effects of Deposition and Ion Scattering on Profile Control in Submicron Oxide Etch	10	2904
Shang, L.; Campbell, Stephen A.; Liu, W. H. The Development of an Anisotropic Si Etch Process Selective to GexSi1-x Underlayers	2	507
Shao, Chunlin, *see* Inanami, Ryoichi	9	2541
Shappir, J., *see* Berger, M.	8	2140
Sharon, M., *see* Kumar, Dhananjay	6	1611
Shaw, Brenda R., *see* Park, Jongman	2	323
Shea, Lauren E.; Datta, R. K.; Brown, J. J., Jr. Photoluminescence of Mn2+-Activated ZnGa2O4	7	1950
Shea, Lauren E.; Datta, R. K.; Brown, J. J., Jr. Low Voltage Cathodoluminescence of Mn2+-Activated ZnGa2O4	8	2196
Shen, P. K.; Chen, K. Y.; Tseung, A. C. C. Electrochromism of Electrodeposited Tungsten Trioxide Films. I. Electrochemical Characterization	7	1758
Shen, P. K.; Tseung, A. C. C. Anodic Oxidation of Methanol on Pt/WO3 in Acidic Media	11	3082
Shibata, M., *see* Watanabe, Masahiro	2	342
Shibata, Masami, *see* Katoh, Akihiro	8	2054
Shibata, Nami, *see* Tanimoto, Satoshi	5	1339
Shieh, Ming-Deng; Lee, Cpiapyng; Yew, Tri-Rung The Kinetics of Very Low Temperature (300 C) Silicon Epitaxial Growth by Confined Plasma Enhanced Chemical Vapor Deposition	12	3584
Shifler, D. A.; Moran, Patrick J.; Kruger, J. The Effects of Water on the Passive Behavior of 1018 Carbon Steel in Organic Solutions	4	934
Shigematsu, T., *see* Yanase, Yoshio	11	3259
Shikano, Haruhide, *see* Matsumoto, Osamu	2	L16
Shimada, Hisayuki, *see* Hirose, Kouichi	1	192
Shimauchi, Hidenori; Ozawa, Susumu; Tamura, Keiu; Osaka, Tetsuya Preparation of Ni-Sn Alloys by an Electroless-Deposition Method	6	1471
Shimizu, Yasuhiro, *see* Feng, Chang Dong	1	220
Shimizu, Yasuhiro, *see* Takao, Yuji	4	1028
Shimomura, Shigeki, *see* Hirose, Kouichi	1	192
Shimura, Fumio, *see* Daio, Hiroshi	6	1590
Shinmoto, M., *see* Matsuguchi, Masanobu	3	614
Shioya, Yoshimi, *see* Usujima, Akihiro	9	2487
Shiozawa, Jun-ichi; Kasai, Yoshio; Mikata, Yuu-ichi; Yamabe, Kikuo The Formation of Boron-Doped Polycrystalline Si with Extremely Low Resistivities at Low Temperatures	5	1334
Shiraishi, Soshi, *see* Kanamura, Kiyoshi	9	L108
Shiraishi, Soshi, *see* Kanamura, Kiyoshi	9	2379
Shiratsuchi, Ryuichi, *see* Nogami, Gyoichi	5	1138
Shodai, Takahisa; Owens, Boone B.; Ohtsuka, Hideaki; Yamaki, Jun-ich Cathode Characteristics of Amorphous V2O5 with Polymer Electrolyte and Li Anode at 100 C	10	2611
Shodai, Takahisa; Owens, Boone B.; Ohtsuka, Hideaki; Yamaki, Jun-ichi Thermal Stability of the Polymer Electrolyte (PEO)8LiCF3SO3	11	2978
Shohat, Ilan; Mandler, Daniel Deposition of Nickel Hydroxide Structures Using the Scanning Electrochemical Microscope	4	995
Shor, J. S., *see* Davidson, J. L.	12	3522
Shor, Joseph S.; Weber, Richard A.; Provost, L. G.; Goldstein, David; Kurtz, Anthony D. High Temperature Ohmic Contact Metallizations for n-Type 3C-SiC	2	579
Shor, Joseph S.; Kurtz, Anthony D. Photoelectrochemical Etching of 6H-SiC	3	778
Shores, David A., *see* Zhang, Yifan	5	1255
Short, K., *see* Miller, Barry	4	L41
Shukla, A. K.; Ravikumar, M. K.; Roy, A.; Barman, S. R.; Sarma, D. D.; Aricò, A. S.; Antonucci, V.; Pino, L.; Giordano, N. Electro-oxidation of Methanol in Sulfuric Acid Electrolyte on Platinized-Carbon Electrodes with Several Functional-Group Characteristics	6	1517
Shukla, A. K., *see* Kamath, P. Vishnu	11	2956
Shumsky, Mark G., *see* Phillips, Richard J.	9	2391
Siconolfi, D. J., *see* Lobnig, R. E.	11	2935
Sienerth, K. D.; Hondrogiannis, E. M.; Mamantov, G. A Reinvestigation of the Electrochemical Behavior of Nb(V) in AlCl3-NaCl5AT and Related Melts	7	1762
Simoen, E., *see* Claeys, C.	9	2522
Simoes, Alda M. P., *see* Lorang, G.	12	3347
Simon, J., *see* Wang, Y. B.	3	824
Simonet, Jacques, *see* Le Guillanton, Georges	2	316
Simunovich, Danko; Schlesinger, Mordechay; Snyder, D. D. Electrochemically Layered Copper-Nickel Nanocomposites with Enhanced Hardness	1	L10
Sinclair, J. D., *see* Lobnig, R. E.	11	2935
Sizelove, J. R., *see* Look, David C.	3	747
Skotheim, T. A., *see* Lee, H. S.	4	886
Sleb, Abderrahman, *see* Fan, Chonglun	2	382
Sloan, L. R., *see* Howard, Arnold J.	12	3556
Sluzky, Esther; Lemoine, Mary; Hesse, K. Phosphor Development for Alpha-Silicon Liquid Crystal Light Valve Projection Display	11	3172
Smekalin, K.; Zhang, G.; Lammasniemi, J. Anodic Oxidation of InxGa1-xAsyP1-y Epitaxial Layers	8	L97
Smith, David A., *see* Paunovic, Milan	7	1843
Smith, J. K., *see* Farrens, Shari N.	11	3225
Smith, Randolph, *see* Conley, Willard	4	1034
Smyrl, William H., *see* Park, H.-K.	3	L25
Smyrl, William H., *see* Casillas, Norberto	3	636
Snyder, D. D., *see* Simunovich, Danko	1	L10
Soane, David S., *see* Monk, David J.	1	264
Soane, David S., *see* Monk, David J.	1	270
Soane, David S., *see* Yonkoski, Roger K.	2	585
Söderbärg, Anders, *see* Ljungberg, Karin	2	562
Söderbärg, Anders, *see* Ljungberg, Karin	10	2829
Soga, Takashi, *see* Tanaka, Toshihiko	12	L169
Soleimani, Hamid R. An Investigation of Phosphorus Transient Diffusion in Silicon below the Solid Solubility Limit and at a Low Implant Energy	8	2182
Somorjai, Gabor A., *see* Stanners, Colin D.	11	3278
Song, Jin Soo, *see* Lee, Yong Eui	2	558
Sorita, Tetsuji; Satake, Tetsuya; Adachi, Hiroshi; Ogata, Tamotsu; Kobayashi, Kiyoteru Mass Spectrometric and Kinetic Study of Low-Pressure Chemical Vapor Deposition of Si3N4 Thin Films from SiH2Cl2 and NH3	12	3505
Sotirchos, Stratis V., *see* Papasouliotis, George D.	6	1599
Soto, G., *see* Falcony, Ciro	10	2860
Specht, M., *see* Maier, C. U.	1	L4
Spindler, O., *see* Nguyen, Son Van	6	1633
Srinivasan, B. K., *see* Shan, Hongqing	10	2904
Srinivasan, Supramaniam, *see* Petrov, Konstantin	7	1747
Srinivasan, Supramaniam, *see* Rho, Yong Woo	8	2084
Srinivasan, Supramaniam, *see* Rho, Yong Woo	8	2089
Srivastava, R. S., *see* Prasad, Ila	2	572
Stafford, Gery R. The Electrodeposition of Al3Ti from Chloroaluminate Electrolytes	4	945
Stanners, Colin D.; Gardin, Denis;		

Author	Issue	Page
Somorjai, Gabor A. Correlations of Atomic Structure and Reactivity at Solid-Gas and Solid-Liquid Interfaces	11	3278
Stark, J. P., *see* Jawarani, D.	1	302
Stecki, Andrew J.; Yuan, C.; Tong, Q.-Y.; Gösele, U.; Loboda, M. J. SiC Silicon-On-Insulator Structures by Direct Carbonization Conversion and Postgrowth from Silacyclobutane	6	L66
Stecki, Andrew J.; Xu, J.; Mogul, H. C. Crystallinity and Photoluminescence in Stain-Etched Porous Si	3	674
Stefani, Jerry; Butler, Stefanie Watts On-Line Inference of Plasma Etch Uniformity Using In Situ Ellipsometry	5	1387
Steigerwald, J. M.; Zirpoli, R.; Murarka, S. P.; Price, D.; Gutmann, R. J. Pattern Geometry Effects in the Chemical-Mechanical Polishing of Inlaid Copper Structures	10	2842
Steigerwald, J. M.; Murarka, S. P.; Gutmann, R. J.; Duquette, D. J. Effect of Copper Ions in the Slurry on the Chemical-Mechanical Polish Rate of Titanium	12	3512
Stein, B. J., *see* Kronenberg, Marvin L.	10	2587
Steinbrück, M., *see* Näfe, H.	10	2779
Stevens, G., *see* Verhaverbeke, Steven	10	2852
Stewart, Lance L.; Bennion, Douglas N.; LaFollette, Rodney M. Mathematical Model of the Anodic Oxidation of Lead	9	2416
Stocker, P., *see* Kendig, M. W.	2	392
Stonehart, Paul, *see* Watanabe, Masahiro	10	2659
Stoner, Glenn E., *see* Poirier, Jeffrey A.	2	425
Stratmann, M., *see* Lobnig, R. E.	11	2935
Strawbridge, Anna; Rapp, Robert A. The Role of Reactive Elements on Scale Growth in High-Temperature Oxidation of Pure Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics and Scale Morphology	7	1905
Streinz, Christopher C.; Kruger, Jerome; Moran, Patrick J. A Microellipsometric Study of the Passive Film Formation on Al-Ta Alloys. I. Solid Solution Alloys	5	1126
Streinz, Christopher C.; Moran, Patrick J.; Wagner, James W.; Kruger, Jerome A Microellipsometric Study of the Passive Film Formation on Al-Ta Alloys. II. The Role of Al3Ta Precipitates in Breakdown	5	1132
Ström-Olsen, J. O., *see* Yang, Q. M.	8	2108
Ström-Olsen, J. O., *see* Yang, Q. M.	8	2113
Ström-Olsen, John O., *see* Ciureanu, Mariana	9	2430
Ström-Olsen, John O., *see* Ciureanu, Mariana	12	3291
Sturm, J. C., *see* Schwartz, Peter V.	5	1284
Su, Y.-Y.; Marek, Miroslav Cathodic Reduction of Oxides Formed on Copper at Elevated Temperatures	4	940
Sudou, Yoshimi, *see* Wada, Yasuo	5	1392
Sueoka, K.; Ikeda, N.; Yamamoto, T.; Kobayashi, S. Morphology Change of Oxide Precipitates in CZ Silicon during Two-Step Annealing	12	3580
Sugawara, Katsuro, *see* Kato, Hisayuki	11	3154
Sugihara, H., *see* Ogura, K.	2	419
Sugimoto, Katsuhisa, *see* An, Choon Ho	3	853
Sugimoto, Katsuhisa, *see* Akao, Noboru	5	1190
Sugimoto, Katsuhisa, *see* Hara, Nobuyoshi	6	1669
Sugishima, Noboru; Hinatsu, James T.; Foulkes, Frank R. Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric Study of Impurity Formation	12	3325
Sugishima, Noboru; Hinatsu, James T.; Foulkes, Frank R. Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the Oxygen Reduction Reaction at Platinum Electrodes	12	3332
Sugiura, Nozomi, *see* Suzuki, Minoru	7	1928
Sukegawa, T. S., *see* Mieno, F.	6	2166
Sumita, S., *see* Yanase, Yoshio	11	3259
Sun, S.-S.; Tuenge, Richard T.; Kane, J.; Ling, M. Electroluminescence and Photoluminescence of Cerium-Activated Alkaline Earth Thiogallate Thin Films and Devices	10	2877
Sunaga, H., *see* Nakamura, Minoru	12	3576
Surampudi, S., *see* Nagasubramanian, G.	6	1414
Surve, Swatee, *see* Wang, Tong	9	2493
Susi, Enrichetta, *see* Poggi, Antonella	3	754
Sutija, Davor P.; Muller, Rolf H.; Tobias, Charles W. On the Emergence and Spacing of Zinc Striations. I. Determination of Preferred Striation Frequency	6	1477
Sutija, Davor P.; Tobias, Charles W. Mass-Transport Enhancement by Rising Bubble Curtains	10	2599
Sutyanarayana, B. Satya, *see* Ramana, P. Venkata	5	1114
Suyama, Makoto, *see* Morinaga, Hitoshi	10	2834
Suzuki, H., *see* Maeda, Y.	2	586
Suzuki, Hiroshi, *see* Kamiyama, Satoshi	5	1246
Suzuki, Minoru; Sasaki, Hirokazu; Otoshi, Shoji; Kajimura, Atsuko; Sugiura, Nozomi; Ippommatsu, Masamichi High Performance Solid Oxide Fuel Cell Cathode Fabricated by Electrochemical Vapor Deposition	7	1928
Suzuki, T., *see* Nakamura, Minoru	12	3576
Suzuki, Takaya, *see* Miyauchi, Akihiro	5	1370
Svorcik, V.; Endrst, R.; Rybka, V.; Hnatowicz, V.; Cerny, F. Modification of Polyethyleneterephthalate by Implantation of Nitrogen Ions	2	582
Swain, Greg M. The Susceptibility to Surface Corrosion in Acidic Fluoride Media: A Comparison of Diamond, HOPG, and Glassy Carbon Electrodes	12	3382
Swartzlander, A. B., *see* Gheorghita, Ligia	2	529
Switzer, Jay A., *see* Phillips, Richard J.	9	2391
Sywe, B. S.; Yu, Z. J.; Burckhard, S.; Edgar, J. H.; Chaudhuri, J. Epitaxial Growth of SiC on Sapphire Substrates with an AlN Buffer Layer	2	510
Tada, Tsukasa, *see* Kihara, Naoko	11	3162
Tadokoro, Norika, *see* Nishijima, Motoaki	11	2966
Tagawa, Hiroaki, *see* Mizusaki, Junichiro	6	1674
Tagawa, Hiroaki, *see* Mizusaki, Junichiro	8	2129
Tajika, Motoaki, *see* Mizusaki, Junichiro	6	1674
Tajima, Yukimichi, *see* Ishii, Takao	12	3450
Tak, Yongsug; Henderson, Eric R.; Hebert, Kurt R. Evolution of Microscopic Surface Topography during Passivation of Aluminum	6	1446
Tak, Yongsug; Hebert, Kurt R. Initial Events during the Passivation of Rapidly Dissolving Aluminum Surfaces	6	1453
Takagi, Toshinori, *see* Mizusaki, Junichiro	8	2129
Takahashi, Akira; Miyoshi, Y.; Hada, T. Effect of SiO2 Colloid on the Electrodeposition of Zinc-Iron Group Metal Alloy Composites	4	954
Takahashi, Eiichi, *see* Hara, Nobuyoshi	6	1669
Takahashi, Hisashi, *see* Yasui, Kanji	3	742
Takahashi, Junichi, *see* Urisu, Tsuneo	6	1562
Takahashi, R., *see* Maeno, Matagoro	10	2549
Takakuwa, Yuji; Mazumder, Motaharui Kabir; Miyamoto, Nobuo Growth Defect Observation with Pyramidal Hillock and Reduction by Photoexcited Hydrogen in Si CVD with SiH2Cl2	9	2567
Takano, J., *see* Kikuyama, H.	2	366
Takao, Yuji; Miyazaki, Kenichi; Shimizu, Yasuhiro; Egashira, Makoto High Ammonia Sensitive Semiconductor Gas Sensors with Double-Layer Structure and Interface Electrodes	4	1028
Takasaki, Toshimichi, *see* Ishihara, Yoshio	1	246
Takase, Mika, *see* Nagaoka, Tsutomu	6	1522
Takasu, Yoshio, *see* Murakami, Yasushi	9	L118
Takasu, Yoshio, *see* Kameyama, Kohichi	3	643
Takasu, Yoshio, *see* Ito, Minoru	5	1243
Takasu, Yoshio, *see* Murakami, Yasushi	9	2511
Takeda, Yasuo, *see* Nishijima, Motoaki	11	2966
Takeda, Yoshikazu, *see* Wang, Xue-Lun	9	2573
Takehara, Zen-ichiro, *see* Kanamura, Kiyoshi	9	L108
Takehara, Zen-ichiro, *see* Katakura, Katsumi	7	1827
Takehara, Zen-ichiro, *see* Yasuda, Kazuaki	9	2350
Takehara, Zen-ichiro, *see* Kanamura, Kiyoshi	9	2379
Takehara, Zen-ichiro, *see* Inaba, Minoru	10	2579
Takemura, Kaoru, *see* Matsumoto, Osamu	2	L16
Takenaka, Hiroyasu, *see* Hinatsu, James T.	6	1493
Takenaka, T., *see* Kitagawara, Yutaka	5	1362
Takeshita, K.; Wernet, Wolfgang; Oyama, Noboru Electrochemical Quartz Crystal Microbalance Investigation of a Poly(pyrrole)/Sulfated Poly(Beta-hydroxyether) Composite Film	8	2004
Takeuchi, Masahiro, *see* Kato, Juri	9	2552
Takeyasu, Nobuyuki, *see* Kondoh, Eiichi	12	3494
Takita, Yushaku, *see* Ishihara, Tatsumi	12	3444
Tamaki, J.; Zhang, Z.; Fujimori, K.; Akiyama, M.; Harada, T.; Miura, N.; Yamazoe, Noboru Grain-Size Effects in Tungsten Oxide-Based Sensor for Nitrogen Oxides	8	2207
Tamatsuka, M., *see* Kitagawara, Yutaka	5	1362
Tamizhmani, G.; Dodelet, J. P.; Guay, D.; Lalande, G.; Capuano, G. A. Electrocatalytic Activity of Nafion-Impregnated Pyrolyzed Cobalt Phthalocyanine A Correlative Study Between Rotating Disk and Solid Polymer Electrolyte Fuel-Cell Electrodes	1	41
Tamizhmani, G.; Capuano, G. A. Life Tests of Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polymer Fuel Cells	9	L132
Tamizhmani, G.; Capuano, G. A. Improved Electrocatalytic Oxygen Reduction Performance of Platinum Ternary Alloy-Oxide in Solid-Polymer-Electrolyte Fuel Cells	4	968
Tamura, Hiroki; Ishizeki, Kenji; Nagayama, Masaichi; Furuichi, Ryusaburo Incorporation of Impurity Metal Ions in Electrolytic Manganese Dioxide	8	2035
Tamura, Hiroshi, *see* Kanamura, Kiyoshi	9	2379
Tamura, Keiu, *see* Shimauchi, Hidenori	6	1471
Tamura, Youichi, *see* Kondo, Kazuo	6	1644
Tan, S. S.; Milnes, A. G. The Chemical Etcheng of GaSb in Br2-Methanol Solutions	11	3264
Tan, T. C., *see* Tan, Y.	2	461
Tan, Y.; Tan, T. C. Characteristics and Modeling of a Solid State Hydrogen Sensor	2	461
Tanaka, Auro A., *see* Perez, Joelma	2	431
Tanaka, Kazuo, *see* Kato, Juri	9	2552
Tanaka, Shigeyuki, *see* Matsumoto, Osamu	2	L16
Tanaka, Takayoshi, *see* Kuwabata, Susumu	1	10
Tanaka, Toshihiko; Morigami, Mitsuaki; Oizumi, Hiroaki; Soga, Takashi; Ogawa, Taro; Murai, Fumio Prevention of Resist Pattern Collapse by Resist Heating during Rinsing	12	L169
Tanaka, Tsutomu, *see* Sato, Mineo	7	1851
Tani, Masato, *see* Feng, Qi	10	L135
Tanikawa, A.; Tatsumi, T. (100) Oriented Poly-Si Film Grown by Ultrahigh Vacuum Chemical Vapor Deposition	10	2848
Tanimoto, Satoshi; Shibata, Nami; Kuroiwa, Koichi; Tarui, Yasuo Synchronously Excited Discrete Chemical Vapor Deposition of Ta2O5	5	1339
Tanimoto, Shin-ichi, *see* Inoue, Yasunori	4	1056
Tanner, Cameron W.; Virkar, Anil V. Dependence of the Kinetics of Electrochemical Vapor Deposition of CeO2 on Oxygen Partial Pressure	5	1261
Tanoue, Hiroyuki, *see* Morita, Masayuki	6	1409
Tarascon, J. M.; McKinnon, W. R.; Coowar, F.; Bowmer, T. N.; Amatucci, G.; Guyomard, D. Synthesis Conditions and Oxygen Stoichiometry Effects on Li Insertion into the Spinel LiMn2O4	6	1421
Tardif, F., *see* Mouche, Laurent	6	1684
Tarui, Yasuo, *see* Tanimoto, Satoshi	5	1339
Tasaka, Akimasa; Miki, Keiji; Ohashi, Toshitaka; Yamaguchi, Shin-ichi; Kanemaru, Muneaki; Iwanaga, Naruyuki; Aritsuka, Makoto Behavior of Nickel Anode in CsF-NH4F-HF Melts	6	1480
Tatapudi, Pallav; Fenton, James M. Simultaneous Synthesis of Ozone and Hydrogen Peroxide in a Proton-Exchange-Membrane Electrochemical Reactor	5	1174
Tatsumi, T., *see* Tanikawa, A.	10	2848
Tatsuno, T., *see* Miyamoto, Mitsuo	10	2890
Taube, Michelle, *see* Davenport, Alison J.	1	L6
Taylor, D. L., *see* Harford, S. H.	12	3304
Taylor, R. V., *see* Parekh, Nitin S.	11	3167
Teerlinck, I., *see* Verhaverbeke, Steven	10	2852
Tegenfeldt, Jörgen, *see* Lauenstein, Åsa	7	1819
Temple, D., *see* Wang, Q. S.	2	593
Temple, D., *see* Wang, Q. S.	4	1086

Author	Issue	Page
Tench, D. M.; Kendig, M. W.; Jeanjaquet, S. Electrodeposition of Copper Oxide from the Eutectic Sodium-Potassium Nitrate Melt	2	388
Tench, D. M., *see* Kendig, M. W.	2	392
Teyssandier, F., *see* Wang, Y. B.	3	824
Thackeray, Michael M., *see* Ferg, E.	11	L147
Thackeray, Michael M., *see* Gummow, R. J.	5	1178
Thampi, K. Ravindranathan, *see* Murphy, Mary Michelle	8	L94
Thompson, Brian E., *see* Desatnik, Nathan	12	3532
Thompson, G. E., *see* Ryan, M. P.	12	L164
Thungström, Göran, *see* Ljungberg, Karin	10	2829
Ticianelli, Edson A., *see* Perez, Joelma	2	431
Tien, H. Ti, *see* Zhou, T. A.	5	1142
Tiensuu, Anna-Lisa, *see* Ljungberg, Karin	10	2829
Tijero, Julio, *see* Revenga, Juan	2	330
Tiller, H.-J.; Wienke, J.; Meyer, J. High Temperature Deposition of SiO2 on Hot Wires by Decomposition of Tetraethoxysilane	2	514
Tiller, Hans-Jurgen; Wienke, Jeannette Decomposition of Alkoxysilanes on the Surface of a Hot Wire-Study of Decomposition Mechanism	2	542
Timmerman, Paul, *see* Weidner, John W.	2	348
Tiwald, Tom, *see* Chonko, Mark A.	7	1862
Tobias, Charles W., *see* Egan, Erik W.	5	1118
Tobias, Charles W., *see* Sutija, Davor P.	6	1477
Tobias, Charles W., *see* Sutija, Davor P.	10	2599
Tobin, Philip J., *see* Okada, Yoshio	12	3500
Tomii, Yoichi, *see* Amezawa, Koji	11	3096
Tomkiewicz, Micha, *see* Levy-Clement, Claude	4	958
Tong, Q.-Y., *see* Steckl, Andrew J.	6	L66
Tong, Q.-Y.; Eom, C. B.; Gösele, U.; Hebard, A. F. Materials with a Buried C60 Layer Produced by Direct Wafer Bonding	10	L137
Toprac, Anthony J.; Trachtenberg, Isaac; Edgar, Thomas F. A Predictive Model for the Chemical Vapor Deposition of Polysilicon in a Cold Wall, Rapid Thermal System	6	1658
Torlida, Mashiro, *see* Yanagi, Hisao	1	64
Torrisi, Alberto; Duchateau, J. P. W. B.; van der Kolk, G. J. The Reaction of Extremely Thin Co-Zr and Pd-Ta Layers with Si(100)	2	519
Torsi, L.; De Giglio, E.; Sabbatini, L.; Zambonin, P. G. An Electroanalytical Investigation of Polybithiophene Modified Platinum Electrodes	10	2608
Toshima, Naoki, *see* Yae, Shinji	11	3077
Toyama, Koji, *see* Katakura, Katsumi	7	1827
Trachtenberg, Isaac, *see* Badgwell, Thomas A.	1	161
Trachtenberg, Isaac, *see* Toprac, Anthony J.	6	1658
Tracy, C. Edwin, *see* Zhang, Ji-Guang	10	2795
Tranchant, A., *see* Legrand, L.	2	378
Treichel, H., *see* Nguyen, Son Van	6	1633
Tribollet, B., *see* Gabrielli, C.	5	1147
Triboulet, R., *see* Marín, F. Iranzo	9	2409
Trolier-McKinstry, Susan; Hu, Honggang; Carim, A. H. Spectroscopic Ellipsometry Investigation of Amorphous Silicon Nitride Thin Films	9	2483
Trulove, Paul C., *see* Carlin, Richard T.	7	L73
Tryk, Donald, *see* Savinell, Robert	4	L46
Tsai, C., *see* Yau, Shueh-Lin	2	402
Tsai, W. C., *see* Lin, H. C.	9	2559
Tsang, L. F.; Anderson, J.; Brown, N. Factors Affecting the Conductivity of Copper-Coated Direct Current Electroluminescent Phosphor	9	2513
Tseng, David, *see* Feng, M. S.	4	1040
Tseung, A. C. C., *see* Shen, P. K.	7	1758
Tseung, A. C. C., *see* Shen, P. K.	11	3062
Tsuda, Ryo, *see* Kuwabata, Susumu	6	1498
Tsuda, Ryo, *see* Yae, Shinji	11	3090
Tsujimura, Kazutoshi, *see* Inoue, Yasunori	4	1056
Tsukada, Kohji, *see* Kameyama, Kohichi	3	643
Tsukune, A., *see* Mieno, F.	8	2166
Tsuneto, Akira, *see* Hara, Kohjiro	8	2097
Tsurumi, Kazunori, *see* Watanabe, Masahiro	10	2659
Tuenge, Richard T., *see* Sun, S.-S.	10	2877
Tumidajski, Peter J.; Blander, M.; Newman, D. S. Solubility of AgCl in Molten NaCl-AlCl3 and KCl-AlCl3	4	895
Tyagi, Ritu; Ghezzo, Mario; Chow, T. Paul; Norton, James F. An Isoplanar Isolation Technology for SiC Devices Using Local Oxidation	8	2188
Uchida, H., *see* Watanabe, Masahiro	2	342
Uchida, Hiroyuki, *see* Katoh, Akihiro	8	2054
Uchida, Isamu, *see* Nishina, Tatsuo	5	1191
Uchimoto, Yoshiharu, *see* Yasuda, Kazuaki	9	2350
Ue, Makoto; Ida, Kazuhiko; Mori, Schoichiro Electrochemical Properties of Organic Liquid Electrolytes Based on Quaternary Onium Salts for Electrical Double-Layer Capacitors	11	2989
Ue, Makoto Mobility and Ionic Association of Lithium and Quaternary Ammonium Salts in Propylene Carbonate and Gamma-Butyrolactone	12	3336
Ueda, Atsushi; Ohzuku, Tsutomu Solid-State Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary Lithium Cells	8	2010
Ueda, Atsushi, *see* Ohzuku, Tsutomu	11	2972
Uehara, S., *see* Ogura, Kotaro	3	648
Ueno, Mitsuo, *see* Murakami, Yasushi	9	L118
Uetsuji, Masahiro, *see* Yae, Shinji	11	3090
Uppili, Sudarsan; Yamaguchi, Tad; Alberhasky, Scott Rapid Thermal Annealing in Advanced Silicon Bipolar Technology	6	1663
Urisu, Tsuneo; Takahashi, Junichi; Utsumi, Yuichi; Akutsu, Tetsuo; Kuchitsu, Kozo Synchrotron Radiation-Assisted Si Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases. Properties in the Low Temperature Region	6	1562
Urushibata, H., *see* Aragane, J.	7	1804
Usami, Katuhisa, *see* Miyauchi, Akihiro	5	1370
Ushirogouchi, Tohru, *see* Kihara, Naoko	11	3162
Usujima, Akihiro; Yasui, Masaru; Aoyama, Masaaki; Shioya, Yoshimi Generation Mechanism of Photoresist Residue after Ashing	9	2487
Utsumi, Yuichi, *see* Urisu, Tsuneo	6	1562
van Buuren, T., *see* Weydanz, W. J.	4	900
van den Aker, Karel, *see* Schmitz, John	3	843
Vandenbulcke, L., *see* Goujard, S.	2	452
van der Kolk, G. J., *see* Torrisi, Alberto	2	519
van der Put, P. J., *see* Dekker, Jan Pieter	3	787
van der Wei, H., *see* Severin, J. W.	3	816
Van herle, J., *see* Murphy, Mary Michelle	8	L94
van Heuveln, Fred H. Analysis of Nonexponential Transient Response Due to a Constant-Phase Element	12	3423
Vanmsekelbergh, D.; Searson, P. C. On the Electrical Impedance Due to the Anodic Dissolution of Silicon in HF Solutions	3	697
van Schaik, W.; Poort, S. H. M.; Schlotter, J. J. H.; Dorrestijn, E.; Blasse, G. Influence of Impurities on the Luminescence Quantum Efficiency of the Lamp Phosphor (Ce, Gd, Tb)MgB5O10	8	2201
Várhegyi, B, *see* Kálmán, E.	12	3357
Vasquez, Barbara, *see* Chonko, Mark A.	7	1862
Velev, Omourtag A., *see* Rho, Yong Woo	8	2084
Verbrugge, Mark W. Selective Electrodeposition of Catalyst Within Membrane-Electrode Structures	1	46
Verbrugge, Mark W.; Koch, Brian J. Microelectrode Study of the Lithium/Propylene Carbonate Interface: Temperature and Concentration Dependence of Physicochemical Parameters	11	3053
Vercauteren, Mark E., *see* Schwartz, Michael	11	3119
Verhaverbeke, S., *see* Bender, H.	11	3128
Verhaverbeke, Steven; Teerlinck, I.; Vinckier, C.; Stevens, G.; Cartuyvels, R.; Heyns, M. M. The Etching Mechanisms of SiO2 in Hydrofluoric Acid	10	2852
Veringa, H. J., *see* Dekker, Jan Pieter	3	787
Vetter, M., *see* Schefold, J.	8	2040
Vial, J. C., *see* Bsiesy, A.	11	3071
Vigneron, J., *see* Marín, F. Iranzo	9	2409
Vinckier, C., *see* Verhaverbeke, Steven	10	2852
Violette, Katherine E.; Sanganeria, Mahesh K.; Öztürk, Mehmet C.; Harris, Gari; Maher, Dennis M. Growth Kinetics, Silicon Nucleation on Silicon Dioxide, and Selective Epitaxy Using Disilane and Hydrogen in an Ultrahigh Vacuum Rapid Thermal Chemical Vapor Deposition Reactor	11	3289
Virkar, Anil V., *see* Tanner, Cameron W.	5	1261
Visintin, Arnaldo, *see* Petrov, Konstantin	7	1747
Viswanathan, Vilayanur V.; Salkind, A. J. Oxygen Recombination in Sealed Ni-Cd Cells with Fiber Substrates	10	2614
Vitt, J. E., *see* He, Lin	4	1014
Vitus, Carissima M., *see* Davenport, Alison J.	1	L6
Vitus, Carissima M.; Davenport, Alison J. In Situ Scanning Tunneling Microscopy Studies of the Formation and Reduction of a Gold Oxide Monolayer on Au(111)	5	1291
Vlachopoulos, Nick, *see* Hagfeldt, Anders	7	L82
von Barner, J. H., *see* Christensen, E.	5	1212
Vossen, Jack P. T.; Plomp, L.; de Wit, J. H. W. Corrosion of Nickel in Molten Carbonate	11	3040
Vrtis, Raymond N., *see* Maeno, Matagoro	10	2649
Wada, Yasuo, *see* Kobayashi, Takashi	5	1365
Wada, Yasuo; Kobayashi, Takashi; Kure, Tokuo; Yoshimura, Toshiyuki; Sudou, Yoshimi; Gotou, Yasushi; Kondo, Seichi Nucleation and Crystallization Characteristics of Phosphorus-Doped Amorphous Silicon "Slit Nano Wire"	5	1392
Wagner, James W., *see* Streinz, Christopher C.	5	1132
Wagner, P., *see* Hillrichs, G.	11	3145
Wainright, Jesse, *see* Savinell, Robert	4	L46
Waki, M., *see* Kikuyama, H.	2	366
Wall, J. F.; Brumfield, J. C.; Murray, R. W.; Irene, Eugene A. Spectroscopic Ellipsometry and Atomic Force Microscopy of Polyphenylene Oxide Films	1	306
Wampler, Wesley A.; Wei, Chang; Rajeshwar, Krishnan Electrocomposites of Polypyrrole and Carbon Black	2	L13
Wan, C. C., *see* Hsiao, M. C.	4	943
Wang, C.-B., *see* Zen, Jyh-Myng	4	L51
Wang, Hao, *see* Wang, Ji-Tao	8	2193
Wang, Ji-Tao; Cao, Chuan-Bao; Zheng, Pei-Ju Theoretical Aspects for Low Pressure Diamond Syntheses	1	278
Wang, Ji-Tao; Cao, Chuan-Bao; Wang, Hao; Zhang, Shi-Li On the Formation of Defects and Morphology during Chemical Vapor Deposition of Tungsten	8	2193
Wang, L., *see* Furtak, T. E.	9	2369
Wang, Q. S.; Reisman, A.; Temple, D. Selective Area Chemical Vapor Deposition of Silicon by the Alternating Cyclic Method: A Thermodynamic Analysis	2	593
Wang, Q. S.; Reisman, Arnold; Temple, D. A Thermodynamic Analysis of Selective Area CVD of Titanium Nitride Compounds by the Alternating Cyclic Method	4	1086
Wang, T. K., *see* De Meo, R. C.	11	L150
Wang, Tong; Surve, Swatee; Hesketh, Peter J. Anisotropic Etching of Silicon in Rubidium Hydroxide	9	2493
Wang, Xiaodong; Modi, Vijay; West, Alan C. Limiting Current Density on a Line Electrode in the Presence of Tangential, Oscillating Fluid Flow	10	2753
Wang, Xindong, *see* Christensen, E.	5	1212
Wang, Xue-Lun; Noda, Susumu; Takeda, Yoshikazu; Sasaki, Akio Effect of Pt/Al2O3 Catalyst on GaAs Grown by Low Pressure TEAs-TMGa Organometallic Vapor-Phase Epitaxy	9	2573
Wang, Y. B.; Teyssandier, F.; Simon, J.; Feurer, R. Chemical Vapor Deposition of Silicon from Disilane under Reduced Pressure in a Circular Impinging Jet Reactor. Simulation and Experiments	3	824
Watanabe, H., *see* Honma, H.	7	1791
Watanabe, Hirohito, *see* Kamiyama, Satoshi	5	1246
Watanabe, Masahiro; Uchida, H.; Shibata, M.; Mochizuki, N.; Amikura, K. High Performance Catalyzed-Reaction Layer for Medium Temperature Operating Solid Oxide Fuel Cells	2	342
Watanabe, Masahiro, *see* Katoh, Akihiro	8	2054
Watanabe, Masahiro; Tsurumi, Kazunori; Mizukami, Takayuki; Nakamura, Toshihide; Stonehart, Paul Activity and Stability of Ordered and Disordered Co-Pt Alloys for Phosphoric Acid Fuel Cells	10	2659
Watt, D., *see* Barkey, D. P.	5	1206
Way, B. M., *see* Weydanz, W. J.	4	900
Way, B. M.; Dahn, Jeff R. The Effect of Boron Substitution in Carbon on the Intercalation of Lithium in Lix(BzC1-z)6	4	907
Webb, Patrick R.; Robertson, Neil L. Electrolytic Codeposition of Ni-Gamma Al2O3 Thin	3	669

Author	Issue	Page
Films		
Weber, A.; Nikulski, R.; Klages, C.-P.; Gross, M. E.; Brown, W. L.; Dons, E.; Charatan, R. M.	3	849
Low Temperature Deposition of TiN Using Tetrakis(dimethylamido)-Titanium in an Electron Cyclotron Resonance Plasma Process		
Weber, Richard A., *see* Shor, Joseph S.	2	579
Wehmann, H.-H., *see* Klockenbrink, R.	6	1594
Wei, Chang, *see* Wampler, Wesley A.	2	L13
Weidner, John W.; Timmerman, Paul	2	346
Effect of Proton Diffusion, Electron Conductivity, and Charge-Transfer Resistance on Nickel Hydroxide Discharge Curves		
Weil, Konrad G., *see* Pittermann, Udo	12	3416
Weimer, Wayne A., *see* Johnson, Curtis E.	8	2161
Wen, Ten-Chin, *see* Yang, Chien-Hsin	10	2624
Wen, Ten-Chin, *see* Hu, Chi-Chang	11	2996
Weng, D., *see* Savinell, Robert	4	L46
Wenger, F., *see* Amrani, Z.	8	2059
Wernet, Wolfgang, *see* Takeshita, K.	8	2004
West, Alan C., *see* Wang, Xiaodong	10	2753
Weydanz, W. J.; Way, B. M.; van Buuren, T.; Dahn, Jeffery R.	4	900
Behavior of Nitrogen-Substituted Carbon (NzC1-z) in Li/Li(NzC1-z)6 Cells		
White, A. E., *see* Miller, Barry	4	L41
White, Henry S., *see* Casillas, Norberto	3	636
White, R. E., *see* Kim, Junbom	2	333
White, Ralph E., *see* Mao, Z.	1	54
White, Ralph E., *see* Mao, Zhenhua	1	151
White, Ralph E., *see* Zheng, G.	5	1220
White, Ralph E., *see* Zheng, G.	6	1526
Wiart, R., *see* Cachet, C.	1	131
Wickramanayaka, Sunil; Hatanaka, Yoshinori; Nakanishi, Yoichiro; Wrobel, Alexander M.	10	2910
Preparation and Deposition Mechanism of a-SiC:H Films by Using Hexamethyldisilane in a Remote H2 Plasma		
Wienke, J., *see* Tiller, H.-J.	2	514
Wienke, Jeannette, *see* Tiller, Hans-Jurgen	2	542
Wijaranakula, W., *see* Kim, Sun S.	7	1872
Wijaranakula, W.	11	3273
Characterization of Crystal Originated Defects in Czochralski Silicon Using Nonagitated Secco Etching		
Wilkes, J. S., *see* De Long, Hugh C.	4	1000
Winand, René, *see* Dang Van, Tan	4	927
Windisch, C. F., Jr.; Baer, D. R.; Engelhard, M. H.	9	2343
The Effect of Sulfur on the Passivation of Iron in Calcium Nitrate		
Winkler, Rainer; Sano, M.	5	1398
Improvement of the Gate Oxide Integrity by Modifying Crystal Pulling and Its Impact on Device Failures		
Winnick, J., *see* Harris, Derek	5	1274
Witham, C., *see* Ratnakumar, B. V.	8	L89
Wittberg, Thomas N., *see* Quinlan, Kenneth P.	5	1161
Wöhrle, D., *see* Jaeger, N. I.	7	1735
Wolters, Rob, *see* Schmitz, John	3	843
Wouters, G.; Bratoeva, M.; Celis, J.-P.; Roos, J. R.	2	397
Electrochemical Diagnostic of Bright Tin Deposition in View of the Electrolytic Synthesis of NiP/Sn Multilayers		
Wrobel, Alexander M., *see* Wickramanayaka, Sunil	10	2910
Wu, Chung P., *see* Schnable, George L.	11	3250
Wu, J.; Parsons, J. D.; Evans, D. R.	10	2915
Reactive Ion Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in CF4 + O2 + Ar		
Wu, Meng-Chyi, *see* Chen, Chyuan-Wei	8	2211
Wu, O. K., *see* de Lyon, Terry J.	10	2888
Wu, X.; Asoka-Kumar, P.; Lynn, K. G.; Hebert, K. R.	12	3361
Detection of Corrosion-Related Defects in Aluminum Using Positron Annihilation Spectroscopy		
Wu, You-Lin; Lin, Jing-Jenn; Hwu, Jenn-Gwo	9	2498
Eliminating the Surface Inversion Layer under the Field Oxide by Low Pressure Rapid Thermal Annealing		
Wur, D., *see* Davidson, J. L.	12	3522
Xiao, H.; Mansfeld, Florian	9	2332
Evaluation of Coating Degradation with Electrochemical Impedance Spectroscopy and Electrochemical Noise Analysis		
Xie, L., *see* Kowal, K.	1	116
Xu, Chao-Nan, *see* Miyazaki, Kazuhide	4	L35
Xu, Chao-Nan; Miyazaki, Kazuhide	12	3343
Thermal Incorporation of External Oxygen into EMD-Derived Manganese Oxides		
Xu, G., *see* Zaluski, C. S.	2	448
Xu, J., *see* Steckl, Andrew J.	3	674
Xu, Z. S., *see* Lee, H. S.	4	886
Yabumoto, Norikuni, *see* Akiya, Hideo	10	L139
Yabune, T., *see* Kikuyama, H.	2	368
Yae, Shinji; Nakanishi, Isao; Nakato, Yoshihiro; Toshima, Naoki; Mori, Hirotaro	11	3077
Preparation of a Langmuir-Blodgett Layer of Ultrafine Platinum Particles and Its Application to n-Si for Efficient Photoelectrochemical Solar Cells		
Yae, Shinji; Tsuda, Ryo; Kikuchi, Kazuhiro; Uetsuji, Masahiro; Fujii, Takashi; Fujitani, Morio; Nakato, Yoshihiro	11	3090
Efficient Photoelectrochemical Solar Cells Equipped with an n-Si Electrode Modified with Colloidal Platinum Particles		
Yahikozawa, Kiyochika, *see* Murakami, Yasushi	9	L118
Yahikozawa, Kiyochika, *see* Kameyama, Kohichi	3	643
Yahikozawa, Kiyochika, *see* Ito, Minoru	5	1243
Yahikozawa, Kiyochika, *see* Murakami, Yasushi	9	2511
Yamabe, Kikuo, *see* Shiozawa, Jun-ichi	5	1334
Yamada, Akifumi, *see* Matsubara, Hiroshi	9	2386
Yamaguchi, Shin-ichi, *see* Tasaka, Akimasa	6	1460
Yamaguchi, Tad, *see* Uppili, Sudarsan	6	1663
Yamaji, Toshifumi, *see* Morimoto, Yoshihiro	1	188
Yamaki, Jun-ich, *see* Shodai, Takahisa	10	2611
Yamaki, Jun-ichi, *see* Hirai, Toshiro	3	611
Yamaki, Jun-ichi, *see* Hirai, Toshiro	9	2300
Yamaki, Jun-ichi, *see* Shodai, Takahisa	11	2978
Yamamoto, Hajime, *see* Kanehisa, Osam	11	3188
Yamamoto, Osamu, *see* Nishijima, Motoaki	11	2966
Yamamoto, T., *see* Sueoka, K.	12	3588
Yamamura, Tamaki, *see* Mizusaki, Junichiro	8	2129
Yamane, Sumiyo, *see* Ishihara, Yoshio	1	246
Yamashita, Junji, *see* Nagaoka, Tsutomu	6	1522
Yamashita, Tomio, *see* Inoue, Yasunori	4	1056
Yamashita, Yasuhiko, *see* Inoue, Yasunori	4	1056
Yamauchi, K., *see* Murata, M.	6	1628
Yamazaki, Osamu, *see* Yoshitake, Hideaki	9	2516
Yamazoe, Noboru, *see* Tamaki, J.	8	2207
Yamin, Herzel, *see* Aurbach, Doron	3	603
Yanagi, Hisao; Toriida, Mashiro	1	64
Electrochromic Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine Thin Films		
Yanagida, Hiroaki, *see* Jung, Sang-Jin	5	L53
Yanase, Yoshio; Horie, H.; Oka, Y.; Sano, M.; Sumita, S.; Shigematsu, T.	11	3259
Atomic Force Microcopy Observation of Si(100) Surface after Hydrogen Annealing		
Yang, Chien-Hsin; Wen, Ten-Chin	10	2624
Polyaniline Derivative with External and Internal Doping via Electrochemical Copolymerization of Aniline and 2,5-Diaminobenzenesulfonic Acid on IrO2-Coated Titanium Electrode		
Yang, Q. M.; Ciureanu, M.; Ryan, D. H.; Ström-Olsen, J. O.	8	2108
Hydrogen Surface Concentration and Overpotential for Galvanostatic Discharge of Hydride Electrodes. I. Development of the Model		
Yang, Q. M.; Ciureanu, M.; Ryan, D. H.; Ström-Olsen, J. O.	8	2113
Hydrogen Surface Concentration and Overpotential for Galvanostatic Discharge of Hydride Electrodes. II. Quantitative Numerical Calculations		
Yang, Quan Min, *see* Ciureanu, Mariana	9	2430
Yang, W. P.; Costa, D.; Marcus, P.	1	111
Chemical Composition, Chemical States, and Resistance to Localized Corrosion of Passive Films on an Fe-17%Cr Alloy		
Yang, W. P.; Costa, D.; Marcus, P.	10	2669
Resistance to Pitting and Chemical Composition of Passive Films of a Fe-17%Cr Alloy in Chloride-Containing Acid Solution		
Yang, W. P., *see* Maurice, V.	11	3016
Yang, X. Q., *see* Lee, H. S.	4	886
Yano, J., *see* Ogura, K.	2	419
Yasuda, Isamu; Hikita, Tomoji	5	1268
Precise Determination of the Chemical Diffusion Coefficient of Calcium-Doped Lanthanum Chromites by Means of Electrical Conductivity Relaxation		
Yasuda, Kazuaki; Uchimoto, Yoshiharu; Ogumi, Zempachi; Takehara, Zen-ichiro	9	2350
Yasui, Kanji; Takahashi, Hisashi; Akahane, Tadashi	3	742
C-V Characteristics of Amorphous Silicon Nitride Films Prepared by Hydrogen Radical-Assisted Plasma Chemical Vapor Deposition		
Yasui, Masaru, *see* Usujima, Akihiro	9	2487
Yasumoto, Eiichi, *see* Hatoh, Kazuhito	7	1725
Yau, Shueh-Lin; Arendt, Mark; Bard, Allen J.; Evans, Brian; Tsai, C.; Sarathy, J.; Campbell, J. C.	2	402
Study of the Structure and Chemical Nature of Porous Si and Siloxene by STM, AFM, XPS, and LIMA		
Ye, Jian-Hui; Fedkiw, Peter S.	6	1483
Effects of Toluene and Benzoic Acid on the Kinetics of Ferrous Oxidation on Pt and Nafion-Coated Pt Electrodes		
Ye, Siyu; Bélanger, Daniel	4	L49
Electrochemical and In Situ Spectroelectrochemical Study on Polypyrrole/Disulfide Composite Electrode		
Ye, Xingpu; Celis, J. P.; De Bonte, Marc; Roos, J. R.	10	2898
Ductility and Crystallographic Structure of Zinc Foils Electrodeposited from Acid Zinc Sulfate Solutions		
Yeager, Ernest, *see* Savinell, Robert	4	L46
Yeh, Ching-Fa; Chen, Chun-Lin; Lin, Guan-Hong	11	3177
The Physicochemical Properties and Growth Mechanism of Oxide (SiO2-xFx) by Liquid Phase Deposition with H2O Addition Only		
Yeh, Yung-Hui, *see* Chen, Chyuan-Wei	8	2211
Yew, Tri-Rung, *see* Shieh, Ming-Deng	12	3584
Yieh, E., *see* Kwok, Kurt	6	2172
Yildiz, G.; Kadirgan, F.	3	725
Electrocatalytic Oxidation of Glycerol. I. Behavior of Palladium Electrode in Alkaline Medium		
Ylilammi, M.; Ranta-aho, Timo	5	1278
Metal Fluoride Thin Films Prepared by Atomic Layer Deposition		
Yoneda, Kiyoshi, *see* Morimoto, Yoshihiro	1	188
Yoneda, Kiyoshi, *see* Inoue, Yasunori	4	1056
Yoneyama, Hiroshi, *see* Kuwabata, Susumu	1	10
Yoneyama, Hiroshi, *see* Kuwabata, Susumu	6	1498
Yonkoski, Roger K.; Soane, David S.	2	585
A Mathematical Model for Planarization of Microelectronic Topographies		
Yoo, Han-Il, *see* Lee, Jong-Ho	10	2789
Yoon, Jae Hong, *see* Hara, Nobuyoshi	6	1669
Yoon, Kyung Hoon, *see* Lee, Yong Eui	2	556
Yoshiki, Hajime; Alexandruk, Valery; Hashimoto, Kazuhito; Fujishima, Akira	5	L56
Electroless Copper Plating Using ZnO Thin Film Coated on a Glass Substrate		
Yoshimatsu, Isamu, *see* Hirai, Toshiro	3	611
Yoshimatsu, Isamu, *see* Hirai, Toshiro	9	2300
Yoshimura, Toshiyuki, *see* Wada, Yasuo	5	1392
Yoshino, Katsumi, *see* Onoda, Mitsuyoshi	2	338
Yoshitake, Hideaki; Yamazaki, Osamu; Ota, Ken-ichiro	9	2516
In Situ X-Ray Absorption on Fine Structure Study on Structure Transformation and Electronic State of Various Pt Particles on Carbon Electrode		
Yoshitake, Shinsuke, *see* Ishikawa, Masashi	12	L159
Young, D. J., *see* Da Costa, W.	6	1464
Young, D. J., *see* Da Costa, W.	10	2690
Young, Victor G., Jr., *see* Gordon, James S., Jr.	3	652
Yu, Z. J., *see* Sywe, B. S.	2	510
Yuan, C., *see* Steckl, Andrew J.	6	L66
Yuan, Shi; Pal, Uday; Chou, Kuo C.	2	467
Deoxidation of Molten Metals by Short Circuiting Yttria-Stabilized Zirconia Electrolyte Cell		
Zaban, Arie, *see* Aurbach, Doran	1	L1
Zaban, Arie, *see* Aurbach, Doron	7	1808
Zaki, M. M., *see* Sedahmed, G. H.	2	437
Zaluski, C. S.; Xu, G.	2	448
AC Impedance and Conductivity Study of Alkali Salt Form Perfluorosulfonate Ionomer Membranes		
Zambonin, P. G., *see* Torsi, L.	10	2608
Zatout, A. A., *see* Sedahmed, G. H.	2	437
Zavracky, Paul M.; Earles, Tom; Pokrovskiy, Nikolay L.; Green, John A.; Burns, Brent E.	11	3182
Fabrication of Vertical Sidewalls by Anisotropic Etching of Silicon (100) Wafers		
Zelaya-Angel, O., *see* Hernández, L.	11	3238
Zeller, C., *see* Ransom, Craig	5	1378
Zen, Jyh-Myng; Wang, C.-B.	4	L51

Author	Issue	Page
Oxygen Reduction on Ruthenium-Oxide Pyrochlore Produced in a Proton-Exchange Membrane		
Zhang, G., *see* Smekalin, K.	8	L97
Zhang, Haiyan; Park, Su-Moon Rotating Ring-Disk Electrode and Spectroelectrochemical Studies on the Oxidation of Iron in Alkaline Solutions	3	718
Zhang, Haiyan; Park, Su-Moon Studies on Deposition and Dissolution Processes of PbO2 in Perchloric Acid Electrolytes	8	1998
Zhang, Haiyan; Park, Su-Moon Electrochemical Oxidation of Manganese(II) in HClO4 Solutions	9	2422
Zhang, Ji-Guang; Benson, David K.; Tracy, C. Edwin; Deb, Satyen K.; Czanderna, A. W.; Crandall, R. S. Optimization Study of Solid-State Electrochromic Devices Based on WO3/Lithium-Polymer Electrolyte/V2O5 Structures	10	2795
Zhang, S. T.; Kong, F. P.; Muller, Rolf H. Effect of Ion Implantation on the Corrosion Behavior of Lead and a Lead-Antimony Alloy	10	2677
Zhang, Shi-Li, *see* Wang, Ji-Tao	8	2193
Zhang, Yifan; Shores, David A. Cracking and Spalling of Oxide Scale from 304 Stainless Steel at High Temperatures	5	1255
Zhang, Z., *see* Tamaki, J.	8	2207
Zhang, Zhe, *see* Rocheleau, Richard E.	7	1938
Zheleva, N., *see* Germanova, K.	9	2533
Zheng, G.; Popov, B. N.; White, Ralph E. Use of Underpotential Deposition of Zinc to Mitigate Hydrogen Absorption into Monel K500	5	1220
Zheng, G.; Popov, B. N.; White, Ralph E. The Role of Thallium as a Hydrogen Entry Promoter on Cathodically Polarized HY-130 Steel	6	1526
Zheng, Pei-Ju, *see* Wang, Ji-Tao	1	278
Zhou, T. A.; Ottova, Angelica; Tien, H. Ti Alkaline-Pretreated Aluminum Electrodes as pH Sensors	5	1142
Zingaro, R. A., *see* Huang, L.	9	2536
Zingaro, Ralph A., *see* Estrada, César A.	3	802
Zirpoli, R., *see* Steigerwald, J. M.	10	2842
Zuo, Q., *see* Alamgir, M.	11	L143

— A —

Deposition of Fluorinated
Preparation and Deposition Mechanism of
Lithium Ion Conductivity of
3% Ti-Tungsten Diffusion Barriers. I. A Discussion of the Role of the
and Passivation Studies on Undoped and Ag-Doped YBa2Cu3O7-x Laser
Preparation of Microarray Electrodes by Sonochemical
hographic Processes An
rganic Spin-On-Glass. Influence of Silicon Oxide with High Yield of Water
me of Its Oxycompounds X-Ray
Use of Underpotential Deposition of Zinc to Mitigate Hydrogen
n(CF3SO3)2PEOn Water
ic State of Various Pt Particles on Carbon Electrode In Situ X-Ray
er-Monolayer/Platinum-Electrode Interface as Measured by In Situ X-Ray
ed Alloys. II. In Situ Studies X-Ray

te Ionomer Membranes
Solution
d Highly Resistive Bathing Electrolytes
Chemically Amplified Resist Using Self-Solubility
Impedance Analysis of a Model Mechanism for
in Defects on the Pause Tail Characteristics of Megabit Dynamic Random
in Medium-Resistivity Si Crystals
idized Carbon Particles for Complete Degradation of Trichloroethylene in
e Electrochemical Oxidation of Silicon and Formation of Porous Silicon in
tion of 4,5-Dihydro-1,2,4-triazin-6-one Derivatives at Carbon Electrode in
cated on CdSe and Sb2S3 Films Chemically Deposited with Silicotungstic
The Etching Mechanisms of SiO2 in Hydrofluoric
Corrosion Inhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic
Electroless Copper Deposition Process Using Glyoxylic
Thin-Oxide Dielectric Strength Improvement by Adding a Phosphonic
Group Characteristics Electro-oxidation of Methanol in Sulfuric
ce of Methanol on O2 Electroreduction at a Rotating Pt Disk Electrode in
Studies on Deposition and Dissolution Processes of PbO2 in Perchloric
tions Hydrofluoric
Hydrofluoric
Device Fabrication Citric
2% Platinum-H2WO4 Based Electrocatalysts for Phosphoric
Evaluation of an Effective Platinum Metal Surface Area in a Phosphoric
tivity and Stability of Ordered and Disordered Co-Pt Alloys for Phosphoric
Current of Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric
Phosphorous Acid Impurities in Phosphoric
at Platinum Electrodes Phosphorous Acid Impurities in Phosphoric
Study of Impurity Formation Phosphorous
Oxygen Reduction Reaction at Platinum Electrodes Phosphorous
atalytic Oxygen Reduction Activity of Nano-Grained Thin-Film Platinum in
Water Uptake of Perfluorosulfonic
trochemical Copolymerization of Aniline and 2,5-Diaminobenzenesulfonic
trodes Effects of Toluene and Benzoic
M of Oxide Film Structures on Fe-Cr Alloys during Passivation in Sulfuric
Corrosion Inhibition of Cobalt in Some
Stages of Dezincification of Freshly Generated Brass Surfaces in Sulfuric
Hydrous Oxide Formation on Platinum in Phosphoric
Composition of Passive Films of a Fe-17%Cr Alloy in Chloride-Containing
uctility and Crystallographic Structure of Zinc Foils Electrodeposited from
orphic MODFETs The Applications of Citric
l Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in Weakly
bon Electrodes The Susceptibility to Surface Corrosion in
Anodic Oxidation of Methanol on Pt/WO3 in
CuInS2 with Lamellar Morphology. I. Efficient Photoanodes in
ion of Phenol and Benzene at Bismuth-Doped Lead Dioxide Electrodes in
ence of Nickel Impurities Zinc Electrowinning in
fkylammonium Salts Electric Double-Layer Capacitor Composed of
The Annealing Time and Temperature Dependence of Electrical Dopant
Anodic
Poisoning and
Alkaline Solutions Negative Apparent Electrochemical Enthalpy of
Films of Manganese Dioxide and Polypyrrole and Their Properties as an
dary Batteries A Novel
The Profile of Electrically
ric Acid Fuel Cells
and Solid Polymer Electrolyte Fuel-Cell Electrodes Electrocatalytic
Microstructural Effects on Electrocatalytic Oxygen Reduction
Thin-Oxide Dielectric Strength Improvement by
the Silicon Wafer Surface in Buffered Hydrogen Fluoride by a Surfactant
Effects of Na2CO3
th Mechanism of Oxide (SiO2-xFx) by Liquid Phase Deposition with H2O
Molten Salt System. Expansion of the Electrochemical Window on Proton
ation of Interface Between Lithium Electrode and Electrolytes Containing
Effect of
The Influence of Thermal Treatments on the
ystalline Platinum Electrodes The Effects of Organic
Surface-Enhanced Raman Scattering from Pyridine
Influence of Polarization Time and Temperature on the
erature Molten Salts Electrodeposition of Palladium and
Media Electrochemical
rsors on Silica. III. FTIR Studies of the
rsors on Silica. IV. FTIR Studies of the
of the Structure and Chemical Nature of Porous Si and Siloxene by STM,
Aging Effects and Passivation Studies on Undoped and
Solubility of
ectroless Copper Deposition Process Using Glyoxylic Acid as a Reducing
l Behavior of n-Type CdTe in the Presence of a Monoelectronic Oxidizing
Dielectric Strength Improvement by Adding a Phosphonic Acid Chelating
ater The Conflicting Roles of Complexing
u3O7-x Laser Ablated Thin Films
Interfacial Diffusion of Metal Atoms during
Effect of Negative
A Study of Bismuth Ruthenate as an Electrocatalyst for Bifunctional
Chemical Composition of Passive Films on
inum on Tungsten Electrode from DMSO2 Electrolytes. Determination of
lutions Electrochemistry and Passivity of Ti-15 V-3 Cr-3

a-SiC Films at Room Temperature 12 3562
a-SiC:H Films by Using Hexamethyldisilane in a remote H2 Plasma 10 2910
A-Site Deficient Perovskite Solid Solution La0.67-xLi3xTiO3 7 L78
A15 Structure 7 1867
Ablated Thin Films Aging Effects 6 1611
Ablation of Polymer Films 3 L23
Absorbing Layer Approach to Reducing Reflections in Multilayer Metal Lit 5 1375
Absorption Positive Charge Induced by Ino 6 1628
Absorption Fine Structure Spectra and the Oxidation State of Nickel in So 6 L89
Absorption into Monel K500 5 1220
Absorption of the Polymer Electrolyte Systems Pb(CF3SO3)2PEOn and Z 7 1819
Absorption on Fine Structure Study on Structure Transformation and Elec 9 2516
Absorption Spectroscopy Structure of the Copp 9 2369
Absorption Study of Electrochemically Grown Oxide Films on AlCr Sputter 1 83
AC Electroluminescence of ZnS:Tm 4 1070
AC Impedance and Conductivity Study of Alkali Salt Form Perfluorosulfona 2 448
AC Impedance Studies of Highly Oriented Pyrolytic Graphite in 1 M NaOH 10 2716
AC Impedance at Redox-Polymer Modified Electrodes. Effects of Dilute an 10 2722
Acceleration Effect 11 3162
Acceptor-Limited Electropolishing 2 410
Access Memory Devices The Effect of the Crystal Grown- 7 1872
Accurate Evaluation Techniques of the Interstitial Oxygen Concentrations 5 1362
Acetonitrile Composite Electrodes Consisting of Metal and Ox 6 1522
Acetonitrile Th 4 1006
Acetonitrile Electrochemical Oxida 9 2283
Acid Low Cost Schottky Barrier Solar Cells Fabri 10 2871
Acid 10 2852
Acid An Electrochemical Impedance Spectroscopy Study 12 3357
Acid as a Reducing Agent 3 730
Acid Chelating Agent into NH4OH-H2O2 Solution 10 L139
Acid Electrolyte on Platinized-Carbon Electrodes with Several Functional- 6 1517
Acid Electrolyte The influen 7 1770
Acid Electrolytes 8 1998
Acid Etching of Silicon Dioxide Sacrificial Layers. I. Experimental Observa 1 264
Acid Etching of Silicon Dioxide Sacrificial Layers. II. Modeling 1 270
Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure 12 3526
Acid Fuel-Cell Cathode 8 L92
Acid Fuel Cell 7 1804
Acid Fuel Cells Ac 10 2659
Acid Fuel Cells Limiting 11 3114
Acid Fuel Cell Electrolytes. I. Voltammetric Study of Impurity Formation 12 3325
Acid Fuel Cell Electrolytes. II. Effects on the Oxygen Reduction Reaction 12 3332
Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric 12 3325
Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the 12 3332
Acid Media Microstructural Effects on Electroc 2 425
Acid Membranes from Liquid Water and Water Vapor 6 1493
Acid on IrO2-Coated Titanium Electrode Polyaniline Derivative with 10 2624
Acid on the Kinetics of Ferrous Oxidation on Pt and Nafion-Coated Pt Elec 6 1483
Acid Solution Atomically Resolved ST 12 L164
Acid Solutions by Bismuth(III) Chloride 2 352
Acid Solution The First 4 912
Acid Solution 9 2361
Acid Solution Resistance to Pitting and Chemical 10 2669
Acid Zinc Sulfate Solutions D 10 2698
Acid/Hydrogen Peroxide Etching Solutions in the Processing of Pseudom 4 1082
Acidic and Neutral Solutions Cyclic Voltammetry of the Urany 2 311
Acidic Fluoride Media: A Comparison of Diamond, HOPG, and Glassy Car 12 3382
Acidic Media 11 3092
Acidic Polyiodide Medium 5 1095
Acidic Solutions Electrocatalysis of Anodic Oxygen-Transfer Reacti 12 3404
Acidic Sulfate Electrolytes: Impedance Analysis and Modeling of the Influ 1 131
Activated Carbon Fiber Cloth Electrodes and Solid Polymer Electrolytes C 7 1730
Activation in High-Dose BF2 Ion Implanted Silicon 11 3158
Activation of Sulfur in Organic Solvents 2 316
Activation of the Gold Cathode during Electroreduction of CO2 5 L58
Activation. The Reduction of Bromate at the Dropping Mercury Electrode i 5 1183
Active Material in Lithium Secondary Batteries Electrochemical Syn 1 10
Active Material for the Negative Electrode in Alkaline Nickel Oxide Secon 7 1740
Active Phosphorus in Silicon after Thermal Oxidation 12 3580
Activity and Stability of Ordered and Disordered Co-Pt Alloys for Phospho 10 2659
Activity of Nafion-Impregnated Pyrolyzed Cobalt Phthalocyanine A Correl 1 41
Activity of Nano-Grained Thin-Film Platinum in Acid Media 2 425
Adding a Phosphonic Acid Chelating Agent into NH4OH-H2O2 Solution 10 L139
Addition Prevention of Microroughness Generation on 10 2899
Addition on the Gas Sensing Characteristics of CuO/ZnO Heterocontact 5 L53
Addition Only The Physicochemical Properties and Grow 11 3177
Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid The Ternary HCl 3 L19
Additives In Situ Scanning Vibrating Electrode Technique for the C 12 L159
Additives on Lithium Cycling Efficiency 9 2300
Adhesion of Electrolessly Deposited Ni(P) Layers on Alumina Ceramic 3 816
Adsorbates on the Underpotential and Bulk Deposition of Silver on Polycr 12 3394
Adsorbed on Thin Layers of Stainless Steel 12 3312
Adsorption of Carbon Dioxide on Platinum 1 L4
Adsorption of Palladium Chloride onto Solid Electrodes from Room Temp 4 1000
Adsorption-Desorption of Hydrogen on Amorphous Ni40Nb60 in Alkaline 9 2430
Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition Precu 12 3539
Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition Precu 12 3547
AFM, XPS, and LIMA Study 2 402
Ag-Doped YBa2Cu3O7-x Laser Ablated Thin Films 6 1611
AgCl in Molten NaCl-AlCl3 and KCl-AlCl3 4 995
Agent El 3 730
Agent (Ce4+) Electrochemica 9 2409
Agent into NH4OH-H2O2 Solution Thin-Oxide 10 L139
Agents on the Corrosion of Copper-Nickel Alloys in Sulfide Polluted Seaw 6 1432
Aging Effects and Passivation Studies on Undoped and Ag-Doped YBa2C 6 1611
Air Annealing of Chemically Deposited ZnS-CuS and PbS-CuS Thin Films 9 2536
Air Corona-Stress on Metal-Oxide-Semiconductor Capacitors 2 572
Air Electrodes 10 2590
AISI 304 Stainless Steel 12 3347
Al(III) Species Diffusion Coefficients Electrodeposition Studies of Al 2 378
Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Chloride So 10 2833

Behavior of TiN and Ti Barrier Metals in
Electrodeposition of
oping Chemical-Vapor-Deposition Aluminum with Copper Simultaneously:
Determination of Thermodynamic Properties of Ternary
Content Dependence of the Electromigration Resistance of Fine-Grained
Residue-Free Etching of the
A Microellipsometric Study of the Passive Film Formation on
A Microellipsometric Study of the Passive Film Formation on
Citric Acid Etching of GaAs1-xSbx,
Blue Photoluminescence from CeCl3 Doped
Electrolytic Codeposition of Ni-Gamma
rometric Study of Anodic Processes at Various Types of Carbon Anode in
etric Study of the Passive Film Formation on Al-Ta Alloys. II. The Role of
The Electrodeposition of
A Reinvestigation of the Electrochemical Behavior of Nb(V) in
sion of the Electrochemical Window on Proton Addition to a Weakly Basic
X-Ray Absorption Study of Electrochemically Grown Oxide Films on
asks Wet Chemical Etching of
The Influence of Oxide on the Electrodeposition of Niobium from
The Electronic and Ionic Contributions to the Free Energy of
AC Impedance and Conductivity Study of
Reliability Implications of Lateral
Modeling of Cylindrical
Modeling of Cylindrical
Modeling of Cylindrical
Electroluminescence and Photoluminescence of Cerium-Activated
lectrocatalytic Oxidation of Glycerol. I. Behavior of Palladium Electrode in
chemical Adsorption-Desorption of Hydrogen on Amorphous Ni40Nb60 in
A Novel Active Material for the Negative Electrode in
Stabilized Alpha-Ni(OH)2 as Electrode Material for
Electrode and Spectroelectrochemical Studies on the Oxidation of Iron in
ctivation. The Reduction of Bromate at the Dropping Mercury Electrode in
nded Nickel Electrodes Influence of Physicochemical Properties of
en, Cobalt-Molybdenum, and Cobalt-Tungsten as Hydrogen Electrodes in
Porous Flow-Through Electrodes. V. Electrowinning of Zinc from Flowing
erature and Powder Morphologies on the Cementation Rate of Copper in
mental Design Wetting-in Studies on

Protection of Copper Against Corrosion A Chemical Modification of
anism Decomposition of
The Surface Chemistry of Lithium Electrodes in
Carbon Fiber Cloth Electrodes and Solid Polymer Electrolytes Containing
A Chemical Modification of Alkanethiol Self-Assembled Monolayers with
and Resistance to Localized Corrosion of Passive Films on an Fe-17%Cr
sis of a Surface Microstructure during Anodic Oxidation of a Copper/Gold
Ion Implantation on the Corrosion Behavior of Lead and a Lead-Antimony
Contributing to the Initiation and Propagation of the Crevice Corrosion of
Effect of SiO2 Colloid on the Electrodeposition of Zinc-Iron Group Metal
e Cells Effect of Mercury-Silver
The Single-Electrode Peltier Heats of Li-Al
Residue-Free Etching of the Al-Si-Cu
Electrodeposition of Cobalt-Chromium
Electrochemistry and Passivity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium
nce to Pitting and Chemical Composition of Passive Films of a Fe-17%Cr
Intermetallic Compound Formation in Ti/Al Aluminum
ved Electrocatalytic Oxygen Reduction Performance of Platinum Ternary
Effect of Corrosion on the Composition of Pulse-Plated Cu-Ni
ent Dependence of the Electromigration Resistance of Fine-Grained Al-Si
Thermal Stability of Ni-P and Ni-Cu-P Amorphous
ature-Dependent Methanol Electro-oxidation on Well-Characterized Pt-Ru
Electrochemical Evaluation of La-Ni-Sn Metal Hydride
tric Study of the Passive Film Formation on Al-Ta Alloys. I. Solid Solution
Impedance-Spectroscopy Response of Aluminum-Copper-Silicon
Preparation of Ni-Sn
Determination of Thermodynamic Properties of Ternary Al-Cu-Zn
Atomically Resolved STM of Oxide Film Structures on Fe-Cr
Activity and Stability of Ordered and Disordered Co-Pt
A Microellipsometric Study of the Passive Film Formation on Al-Ta
sorption Study of Electrochemically Grown Oxide Films on AlCr Sputtered
A Microellipsometric Study of the Passive Film Formation on Al-Ta
onflicting Roles of Complexing Agents on the Corrosion of Copper-Nickel
eduction. V. Effect of the Microcrystalline Structures of Cu-Sn and Cu-Zn
Epitaxial Growth of SiC on Sapphire Substrates with an
Corrosion of
Stabilized
Dielectrics Degradation of
emical Vapor Deposition Substrate Heating on the Electrical Properties of
Phosphor Development for
llate-based Layered Composite Films on Electrodes. Preparation Through
Selective Area Chemical Vapor Deposition of Silicon by the
ic Analysis of Selective Area CVD of Titanium Nitride Compounds by the
Room-Temperature Coloration of Stainless Steel by
l Treatments on the Adhesion of Electrolessly Deposited Ni(P) Layers on
bon Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic Production of
Evolution of Microscopic Surface Topography during Passivation of
Surface Films Produced by Cathodic Polarization of
dic Polarization in the Electrical Conduction Behavior of Surface Films on
e Intermetallic Compound Formation in Ti/Al
Metastable Pitting of
Alkaline-Pretreated
Anisotropy of Porous Anodization of
Selected Dissolution of
f Al(III) Species Diffusion Coefficients Electrodeposition Studies of
Direct Nickel Plating on
Initial Events during the Passivation of Rapidly Dissolving
The Effect of
Detection of Corrosion-Related Defects in
Interconnection Formation by Doping Chemical-Vapor-Deposition
Impedance-Spectroscopy Response of
A Novel Aqueous Dual-Channel
d Film The Effect of Gas

s and Homogeneous Electron Transfer Reactions of Tetrathiafulvalene in

Al-Barrier-Al Via Hole Metallization 4 1056
Al-Cr Metallic Glass 9 L115
Al-Cu CVD Interconnection Formation by D 12 3494
Al-Cu-Zn Alloys by Electromotive Force Method 4 927
Al-Si Alloys Mg 10 2857
Al-Si-Cu Alloy Employing Magnetron Reactive Ion Etching 10 2825
Al-Ta Alloys. I. Solid Solution Alloys 5 1126
Al-Ta Alloys. II. The Role of Al3Ta Precipitates in Breakdown 5 1132
Al0.5Ga0.5Sb, and InAs for Heterostructure Device Fabrication 12 3526
Al2O3 Films 10 2860
Al2O3 Thin Films 3 669
Al2O3-Na3AlF6 Melts Used in the Electrolytic Production of Aluminum 8 2103
Al3Ta Precipitates in Breakdown A Microellipsom 5 1132
Al3Ti from Chloroaluminate Electrolytes 4 945
AlCl3-NaClSAT and Related Melts 7 1762
AlCl3:ImCl Ionic Liquid The Ternary HCl:ImCl:AlCl3 Ambient-Temp 3 L19
AlCr Sputtered Alloys. II. In Situ Studies 1 83
Alignment V-Grooves in (100) InP through Titanium or In0.53Ga0.47As M 6 1594
Alkali Fluoride Melts 5 1212
Alkali Metals in Intercalation Compounds 9 2297
Alkali Salt Form Perfluorosulfonate Ionomer Membranes 2 448
Alkali-Ion Migration in MOS Integrated Circuits 11 3250
Alkaline Cells. V. High Discharge Rates 1 15
Alkaline Cells. VI. Variable Discharge Conditions 1 28
Alkaline Cells. VII. A Wound Cell Model 7 1751
Alkaline Earth Thiogallate Thin Films and Devices 10 2877
Alkaline Medium E 3 725
Alkaline Media Electro 9 2430
Alkaline Nickel Oxide Secondary Batteries 7 1740
Alkaline Secondary Cells 11 2956
Alkaline Solutions Rotating Ring-Disk 3 718
Alkaline Solutions Negative Apparent Electrochemical Enthalpy of 5 1183
Alkaline Solutions and Temperature on the Hydrogen Evolution Reaction 5 1225
Alkaline Water Electrolysis Study of Electrodeposited Nickel-Molyb 2 382
Alkaline Zincates at Packed-Bed Electrodes Applications of 2 441
Alkaline Zinc Solution Effects of Temp 3 664
Alkaline-Fuel-Cell Cathodes Using a Potentiostatic-Galvanostatic Experi 6 1503
Alkaline-Pretreated Aluminum Electrodes as pH Sensors 5 1142
Alkanethiol Self-Assembled Monolayers with Alkyltrichlorosilanes for the 8 2018
Alkoxysilanes on the Surface of a Hot Wire-Study of Decomposition Mech 2 542
Alkyl Carbonate Solutions 1 L1
Alkylammonium Salts Electric Double-Layer Capacitor Composed 7 1730
Alkyltrichlorosilanes for the Protection of Copper Against Corrosion 8 2018
Alloy Chemical Composition, Chemical States, 1 111
Alloy Fast Impedance Analy 12 3416
Alloy Effect of 10 2677
Alloy 625 Modeling of the Factors 11 3006
Alloy Composites 4 954
Alloy Composition on the Open-Circuit Voltage of Cadmium/Mercuric Oxid 10 2587
Alloy Electrodes in LiCl-KCl Eutectic System 11 3096
Alloy Employing Magnetron Reactive Ion Etching 10 2825
Alloy from Trivalent Chromium Solutions 7 1773
Alloy in Ambient Temperature Aqueous Chloride Solutions 10 2633
Alloy in Chloride-Containing Acid Solution Resista 10 2669
Alloy Thin Film Couples and Its Role in Electromigration Lifetime 1 302
Alloy-Oxide in Solid-Polymer-Electrolyte Fuel Cells Impro 4 968
Alloys 6 1509
Alloys Mg Cont 10 2857
Alloys 10 2864
Alloys Temper 7 1795
Alloys 8 L89
Alloys A Microellipsome 5 1126
Alloys 12 3473
Alloys by an Electroless-Deposition Method 6 1471
Alloys by Electromotive Force Method 4 927
Alloys during Passivation in Sulfuric Acid Solution 12 L164
Alloys for Phosphoric Acid Fuel Cells 10 2659
Alloys. I. Solid Solution Alloys 5 1126
Alloys. II. In Situ Studies X-Ray Ab 1 83
Alloys. II. The Role of Al3Ta Precipitates in Breakdown 5 1132
Alloys in Sulfide Polluted Seawater The C 6 1432
Alloys on the Electrocatalysis of CO2 Reduction Design of Electroc 8 2054
AlN Buffer Layer 2 510
Alpha-Al-Bronze in Saline Water 1 71
Alpha-Ni(OH)2 as Electrode Material for Alkaline Secondary Cells 11 2956
Alpha-Si/Co/SiO2/Si Structure during Furnace Annealing 7 1931
Alpha-Si:H Thin Film Transistors Effects of Plasma-Enhanced Ch 4 1040
Alpha-Silicon Liquid Crystal Light Valve Projection Display 11 3172
Alternate Immersions in Modification Solutions Polyoxometa 1 140
Alternating Cyclic Method: A Thermodynamic Analysis 2 593
Alternating Cyclic Method A Thermodynam 4 1086
Alternating Potential Pulse Method 3 648
Alumina Ceramic The Influence of Therma 3 816
Aluminum A Chronoamperometric Study of Anodic Processes at Va 8 2103
Aluminum 6 1446
Aluminum 1 96
Aluminum Changes Produced by Catho 1 104
Aluminum Alloy Thin Film Couples and Its Role in Electromigration Lifetim 1 302
Aluminum and Criteria for the Transition to Stable Pit Growth 11 3028
Aluminum Electrodes as pH Sensors 5 1142
Aluminum for VLSI Technology 9 2556
Aluminum Initiated by Atomic Force Microscope Tip-Surface Interaction 4 L43
Aluminum on Tungsten Electrode from DMSO2 Electrolytes. Determinatio 2 378
Aluminum Substrate for Microbump Formation 7 1791
Aluminum Surfaces 6 1453
Aluminum Thickness on Solar Cell Performance 6 1577
Aluminum Using Positron Annihilation Spectroscopy 12 3361
Aluminum with Copper Simultaneously: Al-Cu CVD 12 3494
Aluminum-Copper-Silicon Alloys 12 3473
Aluminum-Hydrogen Peroxide Battery 6 L61
Ambient on the Resistance of BF2+ Ion-Implanted Polycrystalline Diamon 1 291
Ambient Temperature Lithium Polymer Rocking-Chair Batteries 6 1405
Ambient Temperature Chloroaluminate Molten Salts Heterogeneou 7 1713

ochemistry and Passivity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in
Weakly Basic AlCl3:ImCl Ionic Liquid The Ternary HCl:ImCl:AlCl3
The Dissolution Behavior of Silver in Ammoniacal Solutions with Cupric
ure and Interface Electrodes High
The Dissolution Behavior of Silver in
Mobility and Ionic Association of Lithium and Quaternary
anism of Atmospheric Corrosion of Copper in the Presence of Submicron
Thermal Stability of Ni-P and Ni-Cu-P
Coatings On the
Electrochemical Adsorption-Desorption of Hydrogen on
stence of an Underlying SiO2 Layer on the Lateral Solid-Phase Epitaxy of
Reactive Ion Etch Processes for
Plasma Chemical Vapor Deposition C-V Characteristics of
Nucleation of In Situ Phosphorus-Doped
Nucleation and Crystallization Characteristics of Phosphorus-Doped
t Ellipsometry Measurement on Low Pressure Chemical Vapor Deposited
Thermally Deposited
Metal-Oxide-Semiconductor Capacitance Measurements on
Spectroscopic Ellipsometry Investigation of
Cathode Characteristics of
toacid Generators Chemically
Chemically
brane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical
rane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental
ion Calibration System for Calibrating Analytical Instruments Used in Gas
Deposition of Silicon by the Alternating Cyclic Method: A Thermodynamic
ith Electrochemical Impedance Spectroscopy and Electrochemical Noise
Zinc Electrowinning in Acidic Sulfate Electrolytes: Impedance
on-Exfoliation Techniques Surface
y of the Thermal Decomposition of Methyltrichlorosilane. Thermodynamic
ersed in Nonaqueous Solvents X-Ray Photoelectron Spectroscopy

Application of Harmonic
Impedance
Gold Alloy Fast Impedance
Tribology
or Hot Electron Reduction
ables of Degenerate Electrical Networks for Use in the Equivaient-Circuit
rmed by MOCVD Ellipsometric
Element
ernating Cyclic Method A Thermodynamic
Surface
Theoretical
Gas Electrode Reactions in Molten Carbonate Media. V. Electrochemical
Si Deposition from Chlorosilanes. II. Numerical
Wet Chemical Cleaning and Surface
Dynamic Dilution Calibration System for Calibrating
Photoelectrochemical Properties of
Prediction of Ion Energy and
ith External and Internal Doping via Electrochemical Copolymerization of
Electrotransportation of
odel

Fabrication of Vertical Sidewalls by
The Development of an

ctor Structures The Effect of High Temperature
ce Inversion Layer under the Field Oxide by Low Pressure Rapid Thermal
Dielectrics Degradation of Alpha-Si/Co/SiO2/Si Structure during Furnace
Ultrathin Tantalum Oxide Capacitor Process Using Oxygen-Plasma
Morphology Change of Oxide Precipitates in CZ Silicon during Two-Step
Atomic Force Microcopy Observation of Si(100) Surface after Hydrogen
Rapid Thermal
Interfacial Diffusion of Metal Atoms during Air
pectroscopy and Lifetime Measurements Rapid Thermal
te Glass Passivation Against Cu Contamination Using the Rapid Thermal
tion in High-Dose BF2 Ion Implanted Silicon The
Detection of Corrosion-Related Defects in Aluminum Using Positron
hode Characteristics of Amorphous V2O5 with Polymer Electrolyte and Li
onoamperometric Study of Anodic Processes at Various Types of Carbon
Behavior of Nickel
Spinel
en the Surface Chemistry and the Performance of Li-Carbon Intercalation
Rapidly Quenched Ni64Zr36 Fiber
Reversible Lithium-Graphite
Physical Properties of Mixed Conductor Solid Oxide Fuel Cell

ments An Approach for Estimating
ation of an Electrochemical Quartz Crystal Microbalance to a Study of the
nced Electrochromic Property of Nickel Hydroxide Thin Films Prepared by
On the Electrical Impedance Due to the
Characterization of the Electropolishing Layer during

Electrical Conduction Through
Electrical Properties of Thin

The Use of
for Minimizing Interface States in the Silicon/Silicon-Oxide System of an
Mathematical Model of the

Fast Impedance Analysis of a Surface Microstructure during
Electrocatalysis of
ped Lead Dioxide Electrodes in Acidic Solutions Electrocatalysis of
nfluence of Antimony on the Structure and the Degree of Hydration of the
lectrolytic Production of Aluminum A Chronoamperometric Study of
-Oxide System of an Anodic Oxide Film Modified Constant-Current
Anisotropy of Porous
on Gate Oxide Degradation Caused by
Study of the Redox Behavior of
O2 Layer Formed on Pb-Sb Electrodes Influence of
e at the Dropping Mercury Electrode in Alkaline Solutions Negative
from Potential Measurements An

Ambient Temperature Aqueous Chloride Solutions Electr 10 2633
Ambient-Temperature Molten Salt System. Expansion of the Electrochem 3 L19
Ammine 1 91
Ammonia Sensitive Semiconductor Gas Sensors with Double-Layer Struct 4 1028
Ammoniacal Solutions with Cupric Ammine 1 91
Ammonium Salts in Propylene Carbonate and Gamma-Butyrolactone 12 3336
Ammonium Sulfate Particles at 300 and 373 K Mech 11 2935
Amorphous Alloys 10 2864
Amorphous and Crystalline State of Electrodeposited Nickel-Phosphorus 1 294
Amorphous Ni40Nb60 in Alkaline Media 9 2430
Amorphous Silicon Influence of the Exi 1 188
Amorphous Silicon Thin-Film Transistors. SiCl4 Based Chemistry 2 502
Amorphous Silicon Nitride Films Prepared by Hydrogen Radical-Assisted 3 742
Amorphous Silicon Films Deposited by Pyrolysis of Si2H6 and PH3 5 1365
Amorphous Silicon "Slit Nano Wire" 5 1392
Amorphous Silicon and Polysilicon Multiple-Angle Inciden 8 2146
Amorphous Silicon 8 2166
Amorphous Silicon 9 2474
Amorphous Silicon Nitride Thin Films 9 2483
Amorphous V2O5 with Polymer Electrolyte and Li Anode at 100 C 10 2611
Amplified Resists Using 1,2-Naphthoquinone Diazide-4-Sulfonates as Pho 11 3141
Amplified Resist Using Self-Solubility Acceleration Effect 11 3162
Analysis Mass Transport Phenomena in Proton Exchange Mem 8 2089
Analysis Mass Transport Phenomena in Proton Exchange Memb 8 2094
Analysis Dynamic Dilut 1 184
Analysis Selective Area Chemical Vapor 2 593
Analysis Evaluation of Coating Degradation w 9 2332
Analysis and Modeling of the Influence of Nickel Impurities 1 131
Analysis and Electrochemistry of MoS2 Thin Films Prepared by Intercalati 3 629
Analysis and Kinetic Modeling On the Homogeneous Chemistr 6 1599
Analysis and Scanning Electron Microscopic Observation of the Lithium S 9 2379
Analysis and Thermochemistry of the Vapor of the NaBr-DyBr3 System 10 2769
Analysis in the Measuring Technique of Corrosion 8 2068
Analysis of a Model Mechanism for Acceptor-Limited Electropolishing 2 410
Analysis of a Surface Microstructure during Anodic Oxidation of a Copper/ 12 3416
Analysis of Chemical-Mechanical Polishing 6 1698
Analysis of Current/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence f 12 3375
Analysis of Electrochemical Systems T 71823
Analysis of Growth Process and Corrosion Resistance of Nb2O5 Films Fo 6 1669
Analysis of Nonexponential Transient Response Due to a Constant-Phase 12 3423
Analysis of Selective Area CVD of Titanium Nitride Compounds by the Alt 4 1086
Analysis of Si(111) Wafers Using Second Harmonic Generation 11 3145
Analysis of the Discharge Performance of a NiOOH/H2 Cell 1 54
Analysis of the Oxygen Reduction Mechanism at a Fully Immersed Gold E 5 1191
Analysis of Thermofluid Effects on Deposition 8 2078
Analysis of ZnSe 7 1973
Analytical Instruments Used in Gas Analysis 1 184
Anatase and Rutile Films Prepared by the Sol-Gel Method 3 660
Angular Distributions in Single and Dual Frequency Plasmas 5 1313
Aniline and 2,5-Diaminobenzenesulfonic Acid on IrO2-Coated Titanium El 10 2624
Aniline Through a Perfluorosulfonate Ion-Exchange Membrane 7 1827
Anisotropic Chemical Pattern Etching of Copper Foil. III. Mathematical M 3 679
Anisotropic Etching of Silicon in Rubidium Hydroxide 9 2493
Anisotropic Etching of Silicon (100) Wafers 11 3182
Anisotropic Si Etch Process Selective to GexSi1-x Underlayers 2 507
Anisotropy of Porous Anodization of Aluminum for VLSI Technology 9 2556
Anneal on Electrical Stress-Generated Defects in Metal Oxide Semicondu 8 2140
Annealing Eliminating the Surfa 9 2498
Annealing 7 1931
Annealing 5 1246
Annealing 12 3586
Annealing 11 3259
Annealing in Advanced Silicon Bipolar Technology 6 1663
Annealing of Chemically Deposited ZnS-CuS and PbS-CuS Thin Films 9 2536
Annealing of p-Type Silicon. Correlation Between Deep-Level Transient S 3 754
Annealing Process Improved Phosphosilica 3 734
Annealing Time and Temperature Dependence of Electrical Dopant Activa 11 3158
Annihilation Specitroscopy 12 3361
Anode at 100 C Cat 10 2611
Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic Production of Alu 8 2103
Anode in CsF-NH4F-HF Melts 6 1460
Anodes for Lithium-Ion Batteries 11 L147
Anodes for Rechargeable "Rocking Chair" Type Batteries The Corr 3 603
Anodes for Ni/Hydride Rechargeable Batteries 12 3291
Anodes in Room-Temperature Chloroaluminate Melts 3 L21
Anodes of Doped CeO2 8 2122
Anodic Activation of Sulfur in Organic Solvents 2 316
Anodic Current Distributions in Crevice Corrosion from Potential Measure 2 358
Anodic Deposition of PbO2 and Bi-PbO2 Films on Gold Electrodes 3 652
Anodic Deposition Enha 12 3439
Anodic Dissolution of Silicon in HF Solutions 3 687
Anodic Etching of p-Type Silicon in Aqueous HF Solutions 8 2049
Anodic Oxidation of InxGa1-xAsyP1-y Epitaxial Layers 8 L97
Anodic Oxides on Sulfur Passivated InP 1 299
Anodic Oxides Formed on Silicon in Aqueous NH4OH Solutions 5 1309
Anodic Oxide Films as a Gate Dielectric for a Thin Film Transistor 5 1325
Anodic Oxide Films to Control the Diffusion of Zinc in GaAs 6 1639
Anodic Oxide Film Modified Constant-Current Anodization. A Promi 8 2227
Anodic Oxidation of Lead 9 2416
Anodic Oxidation of Sulfide Ions in Molten Lithium Fluoride 10 2642
Anodic Oxidation of Methanol on Pt/WO3 in Acidic Media 11 3092
Anodic Oxidation of a Copper/Gold Alloy 12 3416
Anodic Oxygen-Transfer Reactions. Evolution of Ozone 10 2708
Anodic Oxygen-Transfer Reactions. Oxidation of Phenol and Benzene at 12 3404
Anodic PbO2 Layer Formed on Pb-Sb Electrodes I 9 2316
Anodic Processes at Various Types of Carbon Anode in Al2O3-Na3AlF6 M 8 2103
Anodization. A Promising Mechanism for Minimizing Interface States in th 8 2227
Anodization of Aluminum for VLSI Technology 9 2556
Anomalous Oxidation of BF2 Ion Implanted MoSi2 on Polycrystalline Silic 9 2552
Anthraquinone in Aqueous Medium 2 330
Antimony on the Structure and the Degree of Hydration of the Anodic Pb 9 2316
Apparent Electrochemical Enthalpy of Activation. The Reduction of Broma 5 1183
Approach for Estimating Anodic Current Distributions in Crevice Corrosion 2 358

A Transfer Function
ses An Absorbing Layer
ity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature
al Attack on Polypyrrole by Electrolytically Generated Solution Species in
A Novel
t on the Corrosion Resistance of Sputter-Deposited TbFeCo Thin Films in
Tungsten/Tungsten Oxide pH Sensing Electrode for High Temperature
n of the Electropolishing Layer during Anodic Etching of p-Type Silicon in
Study of the Redox Behavior of Anthraquinone in
Electrical Properties of Thin Anodic Oxides Formed on Silicon in
Effects of Oxygen Reduction on Nickel Deposition from Unbuffered
Lithium Intercalation from
Electrokinetic Characteristics of Nitride Wafers in
of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in CF4 + O2 +
Synthesis of Carbon Nitride in Plasma
d: A Thermodynamic Analysis Selective
d A Thermodynamic Analysis of Selective
Evaluation of an Effective Platinum Metal Surface
ess Steels Large
Si(112): Direct MBE Growth for Large-Area HgCdTe Infrared Focal-Plane
Synthesis and Characterization of Ru-Ti4O7 Microelectrode
Shallow n+ Junctions in Silicon by
Modeling of Charge Carrier Transport in Photoetching of Gallium
Effect of Low Temperature (<900 C) RTA on the Conductivity of
Generation Mechanism of Photoresist Residue after
Chemically
bonate and Gamma-Butyrolactone Mobility and Ionic
Growth Rate and Characterization of Silicon Oxide Films Grown in N2O
ttern Electrodes on YSZ and Their Electrochemical Properties in H2-H2O
Chemical Mechanisms for the
m Sulfate Particles at 300 and 373 K Mechanism of
bon Type Impurities in Bulk Nitrogen Use of
Selected Dissolution of Aluminum Initiated by
Use of
In Situ
Spectroscopic Ellipsometry and
Use of In Situ
Use of In Situ
nnealing
Metal Fluoride Thin Films Prepared by
Growth of In2O3 Thin Films by
Correlations of
Passivation in Sulfuric Acid Solution
uS Thin Films Interfacial Diffusion of Metal
ueous Chloride Medium Chemical
Double Layer Effects Associated with Surface Reconstruction on an
py Studies of the Formation and Reduction of a Gold Oxide Monolayer on
urve Concept Improving

Approach for a Generalized Electrochemical Impedance Spectroscopy 5 1147
Approach to Reducing Reflections in Multilayer Metal Lithographic Proces 5 1375
Aqueous Chloride Solutions Electrochemistry and Passiv 10 2633
Aqueous Chloride Medium Chemic 11 2942
Aqueous Dual-Channel Aluminum-Hydrogen Peroxide Battery 6 L61
Aqueous Environments The Influence of Co Conten 5 1199
Aqueous Environments 11 3002
Aqueous HF Solutions Characterizatio 8 2049
Aqueous Medium 2 330
Aqueous NH4OH Solutions 5 1309
Aqueous Solutions I. Deposition Process and Deposit Structure 8 2030
Aqueous Solutions 9 2310
Aqueous Solutions and their Impact on Particulate Deposition 9 2465
Ar Reactive Ion Etching 10 2915
Arc 2 L16
Area Chemical Vapor Deposition of Silicon by the Alternating Cyclic Metho 2 593
Area CVD of Titanium Nitride Compounds by the Alternating Cyclic Metho 4 1086
Area in a Phosphoric Acid Fuel Cell 7 1804
Area Photocurrent Behavior and Laser Spot Scanning of Passivated Stainl 2 362
Array Applications CdZnTe on Si(001) and 10 2888
Arrays 4 1014
Arsenic Gas-Phase Doping 5 1378
Arsenide 2 546
As-Implanted Layers and Metal to P+ Contact Resistance 6 2223
Ashing 9 2487
Assisted Ion Beam Etching for Silicon-Based Microfabrication 6 1585
Association of Lithium and Quaternary Ammonium Salts in Propylene Car 12 3336
Atmosphere in a Rapid Thermal Processor 1 259
Atmospheres Preparation of Nickel Pa 8 2129
Atmospheric Corrosion of Lead 4 922
Atmospheric Corrosion of Copper in the Presence of Submicron Ammoniu 11 2935
Atmospheric Pressure Ionization Mass Spectrometry to Monitor Hydrocar 9 2478
Atomic Force Microscope Tip-Surface Interaction 4 L43
Atomic Force Microscopy to Image Surfaces during Fluid Flow 7 L85
Atomic Force Microscopy Study of the Plating and Stripping of Silver 1 116
Atomic Force Microscopy of Polyphenylene Oxide Films 1 306
Atomic Force Microscopy to Image Copper Electrodeposits on Platinum 5 1166
Atomic Force Microscopy to Image Corrosion at Inclusions 6 1439
Atomic Force Microcopy Observation of Si(100) Surface after Hydrogen A 11 3259
Atomic Layer Deposition 5 1278
Atomic Layer Epitaxy 11 3210
Atomic Structure and Reactivity at Solid-Gas and Solid-Liquid Interfaces 11 3278
Atomically Resolved STM of Oxide Film Structures on Fe-Cr Alloys during 12 L164
Atoms during Air Annealing of Chemically Deposited ZnS-CuS and PbS-C 9 2536
Attack on Polypyrrole by Electrolytically Generated Solution Species in Aq 11 2942
Au(100) Electrode 3 L30
Au(111) In Situ Scanning Tunneling Microsco 5 1291
Axial Oxygen Precipitation Uniformity in CZ Silicon Crystals Using the S-C 1 173

— B —

Effects of SiH4, GeH4, and
Photostimulated Luminescence and Structural Characterization of
Cu/CoSi2 Contacted p+n Shallow Junction with and without TiW Diffusion
A Galvanic Series for Thin-Film Metallizations and
Behavior of TiN and Ti
sited with Silicotungstic Acid Low Cost Schottky
Electrochemically Deposited Diffusion
3% Ti-Tungsten Diffusion
e Ion Etch Processes for Amorphous Silicon Thin-Film Transistors. SiCl4
2% Platinum-H2WO4
Film Formation on Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2
Tungsten Oxide-Prussian Blue Electrochromic System
at the p-InP/Vanadium3+/2+ Semiconductor/Electrolyte Contact. A Study
Laminated Electrochromic Windows
Electrochemical Behavior of Lithium Electrolytes
Electrochemical Properties of Organic Liquid Electrolytes
Optimization Study of Solid-State Electrochromic Devices
icon during Oxidation A Point Defect
Expansion of the Electrochemical Window on Proton Addition to a Weakly
rea Chemical
edox-Polymer Modified Electrodes. Effects of Dilute and Highly Resistive
Ambient Temperature Lithium Polymer Rocking-Chair
Spinel Anodes for Lithium-Ion
f Li-Carbon Intercalation Anodes for Rechargeable "Rocking Chair" Type
MnO2 as a Cathode Material for Secondary Sodium and Lithium Polymer
Barium Metaplumbate for Lead/Acid
lypyrrole and Their Properties as an Active Material in Lithium Secondary
ve Material for the Negative Electrode in Alkaline Nickel Oxide Secondary
New Thin-Layer Solid-State Lithium Polymer
el-Related and Orthorhombic LiMnO2 Cathodes for Rechargeable Lithium
A 3 Volt Lithium Manganese Oxide Cathode for Rechargeable Lithium
Rapidly Quenched Ni64Zr36 Fiber Anodes for Ni/Hydride Rechargeable
Dual Intercalating Molten Electrolyte
tor Magnetic Field Effects in High-Power
l Cell with Inductance Magnetic Field Effects in High-Power
Three-Dimensional Thermal Modeling of Lithium-Polymer
ct of Metal Oxides on Negative Electrode Reactions in the Nickel-Hydride
tion in a Positive Current Collector of a Sodium-Selenium(IV) Molten Salt
llandite-Type Manganese Dioxide with H+ Form for Lithium Rechargeable
A Novel Aqueous Dual-Channel Aluminum-Hydrogen Peroxide
Thermal Characteristics of a Nickel-Hydrogen
tic Epoxide-Based Photocured Gelled Electrolytes for Secondary Lithium
enesulfonate Composite Film and Its Application to Rechargeable Lithium
Application of Solid Polymer Electrolyte to Lithium/Polypyrrole Secondary
Hopping Conduction in Molecular
Chemically Assisted Ion
Situ Monitoring of Electrode Surface Modification via Confocal Scanning
ocatalysis of Anodic Oxygen-Transfer Reactions. Oxidation of Phenol and
c Parameters for the Polarographic Behavior of 3-Methyl-4-(2'-substituted
d Pt Electrodes Effects of Toluene and
anophosphine Precursors Decomposition of Cyanoethylphosphine,

B2H6 on the Nucleation and Deposition of Polycrystalline Si1-xGex Films 9 2550
Ba5(PO4)3Cl:Eu2+ Phosphors 7 1851
Barium Metaplumbate for Lead/Acid Batteries 12 3300
Barrier Thermal Stability of 10 2804
Barrier Layers Commonly Used in the Microelectronics Industry 3 807
Barrier Metals in Al-Barrier-Al Via Hole Metallization 4 1056
Barrier Solar Cells Fabricated on CdSe and Sb2S3 Films Chemically Depo 10 2871
Barriers 7 1843
Barriers. I. A Discussion of the Role of the A15 Structure 7 1867
Based Chemistry Reactiv 2 502
Based Electrocatalysts for Phosphoric Acid Fuel-Cell Cathode 8 L92
Based Electrolytes 4 865
Based on a Proton-Conducting Polymer Electrolyte 8 2061
Based on Differential Capacitance and Current-Voltage Data Solar 8 2040
Based on Nickel Oxide, Tungsten Oxide, and Gel Electrolytes 4 1025
Based on New Polyether Networks 7 1915
Based on Quaternary Onium Salts for Electrical Double-Layer Capacitors 11 2989
Based on WO3/Lithium-Polymer Electrolyte/V2O5 Structures 10 2795
Based Two-Dimensional Model of the Evolution of Dislocation Loops in Sil 3 759
Basic AlCl3:ImCl Ionic Liquid The Ternary HCl:ImCl:AlCl3 Ambient- 3 L19
Bath Deposition of ZnSe and CuSe Thin Films Using N,N-Dimethylselenou 3 802
Bathing Electrolytes AC Impedance at R 10 2722
Batteries 6 1405
Batteries 11 L147
Batteries The Correlation Between the Surface Chemistry and the 3 603
Batteries Orthorhombic Nax 11 L145
Batteries 12 3300
Batteries Electrochemical Synthesis of Composite Films of Mangan 1 10
Batteries A Novel Acti 7 1740
Batteries 7 L80
Batteries An Investigation of Spin 5 1178
Batteries 7 L76
Batteries 12 3291
Batteries 7 L73
Batteries. I. The Penetration of an Electric Field into a Cylindrical Conduc 3 703
Batteries. II. Time Constant of a Radial Circuit Terminated by a Cylindrica 3 708
Batteries under Galvanostatic Discharge and Dynamic Power Profile 11 2947
Battery Mixing Effe 9 2306
Battery Current Distribu 9 2413
Battery Synthesis of Ho 10 L135
Battery 6 L61
Battery 2 333
Battery Applications. Electrochemical Kinetic Studies Cycloalipha 6 1414
Battery Cathodes Electrochemical Properties of a Polypyrrole/Polys 9 2326
Battery System 8 1994
Beam Epitaxial GaAs Grown at Very Low Temperatures 3 747
Beam Etching for Silicon-Based Microfabrication 6 1585
Beam Laser Microscopy In 11 L153
Benzene at Bismuth-Doped Lead Dioxide Electrodes in Acidic Solutions 12 3404
benzeneazo)-2-isoxazolin-5-ones Effect of Temperature and Evalu 5 1114
Benzoic Acid on the Kinetics of Ferrous Oxidation on Pt and Nafion-Coate 6 1483
Benzylphosphine, and Cyclopentylphosphine during InP MOCVD Growth 7 1886

e Use of Ion Implantation for the Study of the Reactive Element Effect on
Reactive Ion Etching of (111)
Ion Implantation in
Electrochemistry and Passivity of Ti-15 V-3 Cr-3 Al-3 Sn
Gate Oxide Degradation Caused by Anomalous Oxidation of
d Temperature Dependence of Electrical Dopant Activation in High-Dose
The Effect of Gas Ambient on the Resistance of
rtz Crystal Microbalance to a Study of the Anodic Deposition of PbO2 and
Properties of Silver Films Sputter-Deposited on
A Study of Bismuth Ruthenate as an Electrocatalyst for
Formation of a
Morphology of Ultrafine RuO2-IrO2
Preparation of Ultrafine RuO2-SnO2
elective Electroless Metal Deposition Covalent
A Simple Method to Control
Interactions among
Rapid Thermal Annealing in Advanced Silicon
A Study of
Corrosion Inhibition of Cobalt in Some Acid Solutions by
Anodic Oxygen-Transfer Reactions. Oxidation of Phenol and Benzene at
Electrocomposites of Polypyrrole and Carbon
Electrochemical Impedance of
rolyte Tungsten Oxide-Prussian
Evolution of Crystallinity during the Electrodeposition of
A Kinetics Study of the
Characterization of Spontaneously
A Kinetics Study of the Bond Strength of Direct
GaAs Low Temperature Fusion
Materials with a Buried C60 Layer Produced by Direct Wafer
Buried Cobalt Silicide Layers in Silicon Created by Wafer
Characterization of Si-Si
ride Films Effect of Hydrogen
Low-Temperature Wafer
Oxidation-Enhanced Diffusion of
Determination of Sub-Parts per Billion
Shallow Boron-Doped Layer Formation by
of Process-Induced Defects on the Chemical Selectivity of Highly Doped
f Solution pH and Heat-Treatment on the Properties of Electroless Nickel
Fluorine-Enhanced
Plasma-Assisted Chemical Vapor Deposition and Characterization of
High Selectivity Magneticaily Enhanced Reactive Ion Etching of
)6 The Effect of
hin SiO2 Shallow
emperatures The Formation of
A Finite-Difference Method for Pseudo-Two-Dimensional
The Chemical Etching of GaSb in
The Role of Induced Convection in
The First Stages of Dezincification of Freshly Generated
sive Film Formation on Al-Ta Alloys. II. The Role of Al3Ta Precipitates in
Passivity
The Synthesis and Particle Growth Mechanism of
ayers Electrochemical Diagnostic of
gative Apparent Electrochemical Enthalpy of Activation. The Reduction of
Measurement of Interfacial Re-equilibration during Hydrogen
Mass-Transport Enhancement by Rising
ons of Permeation Rate Through an Iron Membrane Induced by Hydrogen
Epitaxial Growth of SiC on Sapphire Substrates with an AlN
Prevention of Microroughness Generation on the Silicon Wafer Surface in
Rotating Disk Studies in Molten Carbonates. III. Diffusion Coefficient and
The Effects of Organic Adsorbates on the Underpotential and
Ionization Mass Spectrometry to Monitor Hydrocarbon Type Impurities in
Spectral Behavior of Zero-Bias Photocurrent at Low Temperature in
Shape Formation of Electrodeposited Gold
Materials with a
Deep and Shallow Electron Trapping in the

gen Radical-Assisted Plasma Chemical Vapor Deposition
The
The C49 to
Materials with a Buried
Effect of Mercury-Silver Alloy Composition on the Open-Circuit Voltage of
Film Cathodes for Use in DC-Type Plasma Display Panels Effect of
The Effect of Sulfur on the Passivation of Iron in
tion Precise Determination of the Chemical Diffusion Coefficient of
ge and Current Noise Data
Galvanostatic Discharge of Hydride Electrodes. II. Quantitative Numerical
Neutral Particle Flux
on Metal Oxide Semiconductor Capacitors Numerical
Dynamic Dilution Calibration System for
alized Corrosion
alysis Dynamic Dilution
Contamination Determination for Silicon Carbide
3+/2+ Semiconductor/Electrolyte Contact. A Study Based on Differential
Metal-Oxide-Semiconductor

lectrolytes Containing Alkylammonium Salts Electric Double-Layer
Ultrathin Tantalum Oxide
ffects Induced by Structural Imperfections on Metal Oxide Semiconductor
lectrolytes Based on Quaternary Onium Salts for Electrical Double-Layer
Effect of Negative Air Corona-Stress on Metal-Oxide-Semiconductor
Contamination Determination for Silicon
loride, and Silicon Tetrachloride Morphological Structure of Silicon
Silane and Ethylene Morphological Structure of Silicon
ture of Silicon Carbide Grown by Chemical Vapor Deposition on Titanium
cal Structure of Silicon Carbide, Chemically Vapor Deposited on Titanium
lectrodeposition of Body-Centered Cubic Thallium(III) Oxide onto Glassy
Pd Particles Supported on Highly Oriented Pyrolytic Graphite and Glassy
Behavior of Nitrogen-Substituted
Silicon Effects of Low Dose Silicon,

Beta-NiAl Limitations on th 9 2443
Beta-SiC Epitaxial Layers on (111) TiC Substrates in CF4 + O2 + Ar 10 2915
Beta-SiC Layers Grown on (100)Si 12 3489
Beta-Titanium Alloy in Ambient Temperature Aqueous Chloride Solutions 10 2633
BF2 Ion Implanted MoSi2 on Polycrystalline Silicon 9 2552
BF2 Ion Implanted Silicon The Annealing Time an 11 3158
BF2+ Ion-Implanted Polycrystalline Diamond Film 1 291
Bi-PbO2 Films on Gold Electrodes Application of an Electrochemica 3 652
Biased Substrates 6 1691
Bifunctional Air Electrodes 10 2590
Bilayer by Electrochemical Oxidation of 1,3-Dimethoxybenzene 5 1109
Binary Oxide Particles Prepared by a Sol-Gel Process 9 L118
Binary Oxide Particles by a Sol-Gel Process 5 1243
Binding of Pd Catalysts to Ligating Self-Assembled Monolayer Films for S 1 210
Bipolar Polysilicon Emitter Interfacial Oxide 11 3167
Bipolar Spheres in an Electrolytic Cell 11 3103
Bipolar Technology 6 1663
Bismuth Ruthenate as an Electrocatalyst for Bifunctional Air Electrodes 10 2590
Bismuth(III) Chloride 2 352
Bismuth-Doped Lead Dioxide Electrodes in Acidic Solutions Electr 12 3404
Black 2 L13
Blocking Quasi-Fractal 3-d Electrodes 10 2711
Blue Electrochromic System Based on a Proton-Conducting Polymer Elect 8 2061
Blue Photoluminescence from CeCl3 Doped Al2O3 Films 10 2860
Body-Centered Cubic Thallium(III) Oxide onto Glassy Carbon 9 2391
Bond Strength of Direct Bonded Wafers 11 3225
Bonded Hydrophobic Silicon Surfaces 2 562
Bonded Wafers 11 3225
Bonding 11 3242
Bonding 10 L137
Bonding 10 2829
Bonding by Wright Etching 3 796
Bonding Characteristics on the Corrosion of Plasma-Deposited Silicon Nit 7 1938
Bonding of Surfaces Using a Reactive Sputtered Oxide 8 2157
Boron and Phosphorus in Heavily Doped Layers in Silicon 4 1074
Boron Contamination in N+ Czochralski Silicon Substrates by SIMS 12 3453
Boron Diffusion from Poly-Si Through Thin SiO2 6 1702
Boron Etch Stops in Silicon The Effects 1 178
Boron Films The Effect o 1 78
Boron Migration into Oxide from Underlying Silicon 5 1381
Boron Nitride Films 6 1633
Boron Nitride Films 12 3456
Boron Substitution in Carbon on the Intercalation of Lithium in Lix(BzC1-z 4 907
Boron-Doped Layer Formation by Boron Diffusion from Poly-Si Through T 6 1702
Boron-Doped Polycrystalline Si with Extremely Low Resistivities at Low T 5 1334
Boundary Value Problems 1 151
Br2-Methanol Solutions 11 3264
Branched Electrodeposit Morphology Selection 5 1206
Brass Surfaces in Sulfuric Acid Solution 4 912
Breakdown A Microellipsometric Study of the Pas 5 1132
Breakdown on Solid Versus Liquid Gallium 10 2645
Bright Green Phosphor YAG:Tb 5 1252
Bright Tin Deposition in View of the Electrolytic Synthesis of NiP/Sn Multil 2 397
Bromate at the Dropping Mercury Electrode in Alkaline Solutions N 5 1183
Bubble Coalescence 5 1118
Bubble Curtains 10 2599
Bubbles Fluctuati 8 2059
Buffer Layer 2 510
Buffered Hydrogen Fluoride by a Surfactant Addition 10 2899
Bulk Concentration in Lithium Carbonate 9 2338
Bulk Deposition of Silver on Polycrystalline Platinum Electrodes 12 3394
Bulk Nitrogen Use of Atmospheric Pressure 9 2478
Bulk Semi-Insulating GaAs:Cr 9 2533
Bumps 6 1644
Buried C60 Layer Produced by Direct Wafer Bonding 10 L137
Buried Cobalt Silicide Layers in Silicon Created by Wafer Bonding 10 2829
Buried Oxide Layer of SIMOX Structures 10 2901

— C —

C-V Characteristics of Amorphous Silicon Nitride Films Prepared by Hydro 3 742
C49 to C54 Phase Transformation in TiSi2 Thin Films 5 1347
C54 Phase Transformation in TiSi2 Thin Films 5 1347
C60 Layer Produced by Direct Wafer Bonding 10 L137
Cadmium/Mercuric Oxide Cells 10 2587
Calcium Content on the Discharge Characteristics of CaxLa1-xCrO3 Thick 4 880
Calcium Nitrate 9 2343
Calcium-Doped Lanthanum Chromites by Means of Electrical Conductivity 5 1268
Calculation of Noise Resistance from Simultaneous Electrochemical Volta 11 L155
Calculations Hydrogen Surface Concentration and Overpotential fo 8 2113
Calculations in Plasma Etching for Cylindrical Trench Holes 9 2453
Calculations of the Electrical Effects Induced by Structural Imperfections 6 1621
Calibrating Analytical Instruments Used in Gas Analysis 1 184
Calibration of an Electrochemical Quartz Crystal Microbalance during Loc 7 1838
Calibration System for Calibrating Analytical Instruments Used in Gas An 1 184
Cantilever Forks in Diffusion Furnaces 5 1304
Capacitance and Current-Voltage Data Solar Energy Conversion at 8 2040
Capacitance Measurements on Amorphous Silicon 9 2474
Capacitive-Type Humidity Sensors Using Polymerized Vinyl Carboxylate 3 614
Capacitor Composed of Activated Carbon Fiber Cloth Electrodes and Soli 7 1730
Capacitor Process Using Oxygen-Plasma Annealing 5 1246
Capacitors Numerical Calculations of the Electrical E 6 1621
Capacitors Electrochemical Properties of Organic Liquid E 11 2999
Capacitors 2 572
Carbide Cantilever Forks in Diffusion Furnaces 5 1304
Carbide, Chemically Vapor Deposited on Titanium Carbide Using Ethylene 3 771
Carbide Grown by Chemical Vapor Deposition on Titanium Carbide Using 3 765
Carbide Using Silane and Ethylene Morphological Struc 3 765
Carbide Using Ethylene, Carbon Tetrachloride, and Silicon Tetrachloride 3 771
Carbon Evolution of Crystallinity during the E 9 2391
Carbon High-Resolution Images of 9 2511
Carbon (NzC1-z) in Li/Li(NzC1-z)6 Cells 4 900
Carbon, and Oxygen Implantation Damage on Diffusion of Phosphorus in 12 3516

A Chronoamperometric Study of Anodic Processes at Various Types of
Electrocomposites of Polypyrrole and
Electrochemical Reduction of 1,3-Dihalopropanes at
Electrochemical Reduction of 1,5-Dihalopentanes at
Influence of Polarization Time and Temperature on the Adsorption of
(II) and Iron(II) Complexes Electrochemical Reduction of
Presence of Methanol Dehydrogenase Photochemical Reduction of
sed Polymer Electrolyte Cells The Behavior of
lectrochemical Oxidation of 4,5-Dihydro-1,2,4-triazin-6-one Derivatives at
Structure Transformation and Electronic State of Various Pt Particles on
in Acidic Fluoride Media: A Comparison of Diamond, HOPG, and Glassy
Lithium Hexafluorophosphate Charge/Discharge Characteristics of
nium Salts Electric Double-Layer Capacitor Composed of Activated
Gas-Phase Precursors to Diamond and the sp2
Photoluminescence Measurement of
Synthesis of
The Effect of Boron Substitution in
trile Composite Electrodes Consisting of Metal and Oxidized
The Effects of Water on the Passive Behavior of 1018
arbide, Chemically Vapor Deposited on Titanium Carbide Using Ethylene,
A Czochralski Silicon Growth Technique Which Reduces
mproved Performance of Unmodified and Cobalt Phthalocyanine-Modified
Life Tests of
Deposition of
Corrosion of Nickel in Molten
n Carbonates. III. Diffusion Coefficient and Bulk Concentration in Lithium
nic Association of Lithium and Quaternary Ammonium Salts in Propylene
Ionic Conductivity of a Polymer Electrolyte with Modified
tammetric Studies at High Temperature in Glass-Corrosive Media (Molten
Synthesis and Performance of LiCoO2 Cathodes for the Molten
rative Study of NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for Molten
hemical Parameters Microelectrode Study of the Lithium/Propylene
Fully Immersed Gold Electrode Gas Electrode Reactions in Molten
The Surface Chemistry of Lithium Electrodes in Alkyl
ectroscopy of Nonactive Metal Electrodes at Low Potentials in Propylene
The Exchange Current Density of Oxide Cathodes in Molten
Rotating Disk Studies in Molten
Rotating Disk Studies in Molten
arbonate Rotating Disk Studies in Molten
SiC Silicon-On-Insulator Structures by Direct
Capacitive-Type Humidity Sensors Using Polymerized Vinyl
D Reactor A Monte
Study of the Oxidation of n-InP with Low
IHd Effect of
a Etching Edge-Type Exposures on Si Substrates: A Correlation Between
Modeling of Charge
nt and Its Application to Kinetic Study on Electrode Reactions Caused by
Local Environment of Ce3+ Ions in
por-Phase Epitaxy Effect of Pt/Al2O3
Selective Electrodeposition of
oless Metal Deposition Covalent Binding of Pd
e Fuel Cells High Performance
% Platinum-H2WO4 Based Electrocatalysts for Phosphoric Acid Fuel-Cell
Li Anode at 100 C
Poisoning and Activation of the Gold
High Performance Solid Oxide Fuel Cell
A 3 Volt Lithium Manganese Oxide
A 4 V Lithium Manganese Oxide
Orthorhombic NaxMnO2 as a
nate Composite Film and Its Application to Rechargeable Lithium Battery
m Content on the Discharge Characteristics of CaxLa1-xCrO3 Thick-Film
An Investigation of Spinel-Related and Orthorhombic LiMnO2
Synthesis and Performance of LiCoO2
A Comparative Study of NiO(Li), LiFeO2, and LiCoO2 Porous
Electrochemical Reduction of 1,3-Dihalopropanes at Carbon
Electrochemical Reduction of 1,5-Dihalopentanes at Carbon
The Exchange Current Density of Oxide
Wetting-in Studies on Alkaline-Fuel-Cell
Surface Films Produced by
ms on Aluminum Changes Produced by
es
The Role of Thallium as a Hydrogen Entry Promoter on
Low Voltage
Properties of Electrochemically
Preparation of Thin Perfluorosulfonate
nels Effect of Calcium Content on the Discharge Characteristics of
tro-Optical Characterization of Sulfur-Annealed Chemical-Bath Deposited
Photovoltaic Properties of Sintered
Low Cost Schottky Barrier Solar Cells Fabricated on
Formation of a Silver-Rich Surface Layer on Electrodeposited
Electrochemical Behavior of n-Type
e Infrared Focal-Plane Array Applications
purities on the Luminescence Quantum Efficiency of the Lamp Phosphor
Local Environment of
vior of n-Type CdTe in the Presence of a Monoelectronic Oxidizing Agent
Blue Photoluminescence from
on of an Effective Platinum Metal Surface Area in a Phosphoric Acid Fuel
Interactions among Bipolar Spheres in an Electrolytic
Theoretical Analysis of the Discharge Performance of a NiOOH/H2
Simulation and Optimization of the Dual Lithium Ion Insertion
of Molten Metals by Short Circuiting Yttria-Stabilized Zirconia Electrolyte
Rechargeable LiAl/Li3.6Ge0.6V0.4O4/TiS2 High Temperature Solid-State
esis and Performance of LiCoO2 Cathodes for the Molten Carbonate Fuel
Physical Properties of Mixed Conductor Solid Oxide Fuel
High Performance Solid Oxide Fuel
Phosphorous Acid Impurities in Phosphoric Acid Fuel
m Electrodes Phosphorous Acid Impurities in Phosphoric Acid Fuel
Double-Solid Electrochemical
Modeling of Cylindrical Alkaline Cells. VII. A Wound
The Effect of Aluminum Thickness on Solar
atteries. II. Time Constant of a Radial Circuit Terminated by a Cylindrical
Low Temperature Operation of Solid Oxide Fuel
Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary Lithium

Carbon Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic Production 8 2103
Carbon Black 2 L13
Carbon Cathodes in Dimethylformamide 4 990
Carbon Cathodes in Dimethylformamide 12 3318
Carbon Dioxide on Platinum 1 L4
Carbon Dioxide at Dual-Film Electrodes Modified With and Without Cobalt 2 419
Carbon Dioxide to Methanol Using ZnS Microcrystallite as a Photocatalyst 6 1498
Carbon Electrodes Derived from Poly(p-phenylene) in Polyacrylonitrile-Ba 11 L143
Carbon Electrode in Acetonitrile E 9 2283
Carbon Electrode In Situ X-Ray Absorption on Fine Structure Study 9 2516
Carbon Electrodes The Susceptibility to Surface Corrosion 12 3382
Carbon Fiber with Graphite Structure in Organic Electrolytes Containing Li 5 1105
Carbon Fiber Cloth Electrodes and Solid Polymer Electrolytes Containing 7 1730
Carbon Impurity 8 2161
Carbon in Silicon Crystals Irradiated with High Energy Electrons 12 3576
Carbon Nitride in Plasma Arc 2 L16
Carbon on the Intercalation of Lithium in Lix(BzC1-z)6 4 907
Carbon Particles for Complete Degradation of Trichloroethylene in Acetoni 6 1522
Carbon Steel in Organic Solutions 4 934
Carbon Tetrachloride, and Silicon Tetrachloride Morphological Stru 3 771
Carbon to the Order of 10^14 per Cubic Centimeter 8 2216
Carbon-Kel-F Composite Electrodes I 2 323
Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polymer Fuel Cells 9 L132
Carbonaceous Films onto Internal Walls of Tubes 2 374
Carbonate 11 3040
Carbonate Rotating Disk Studies in Molte 9 2338
Carbonate and Gamma-Butyrolactone Mobility and Io 12 3336
Carbonate as a Plasticizer for Poly(ethylene oxide) 4 886
Carbonate at 650 C) Design of a Gold Ultramicroelectrode for Vol 8 2015
Carbonate Fuel Cell (MCFC) 11 2959
Carbonate Fuel Cells A Compa 12 3429
Carbonate Interface: Temperature and Concentration Dependence of Phy 11 3053
Carbonate Media. V. Electrochemical Analysis of the Oxygen Reduction M 5 1191
Carbonate Solutions 1 L1
Carbonate Solutions. A Comparison to Studies of Li Electrodes Imp 7 1808
Carbonates 7 1725
Carbonates. I. Electrode Design 3 619
Carbonates. II. Meniscus and Film Effects 3 622
Carbonates. III. Diffusion Coefficient and Bulk Concentration in Lithium C 9 2338
Carbonization Conversion and Postgrowth from Silacyclobutane 6 L66
Carboxylate 3 614
Carlo Simulation Study of Radiation Heat Transfer in the Multiwafer LPCV 2 496
Carrier Concentrations in the Negative Potential Region 5 1161
Carrier Gases on the Chemical Vapor Deposition of Tungsten from WF6-S 2 475
Carrier Lifetime and Etch-Induced Defect States Effect of Plasm 11 3230
Carrier Transport in Photoetching of Gallium Arsenide 2 546
Carrier Tunneling in Semiconductor Electrodes Electroluminescenc 12 3410
CaS Prepared With or Without Flux 11 3188
Catalyst on GaAs Grown by Low Pressure TEAs-TMGa Organometallic Va 9 2573
Catalyst Within Membrane-Electrode Structures 1 46
Catalysts to Ligating Self-Assembled Monolayer Films for Selective Electr 1 210
Catalyzed-Reaction Layer for Medium Temperature Operating Solid Oxid 2 342
Cathode 2 8 L92
Cathode Characteristics of Amorphous V2O5 with Polymer Electrolyte and 10 2511
Cathode during Electroreduction of CO2 5 L58
Cathode Fabricated by Electrochemical Vapor Deposition 7 1928
Cathode for Rechargeable Lithium Batteries 7 L76
Cathode for Rocking-Chair Lithium-Ion Cells 9 L106
Cathode Material for Secondary Sodium and Lithium Polymer Batteries 11 L145
Cathodes Electrochemical Properties of a Polypyrrole/Polystyrenes 9 2326
Cathodes for Use in DC-Type Plasma Display Panels Effect of Calci 4 880
Cathodes for Rechargeable Lithium Batteries 5 1178
Cathodes for the Molten Carbonate Fuel Cell (MCFC) 11 2959
Cathodes for Molten Carbonate Fuel Cells 12 3429
Cathodes in Dimethylformamide 4 990
Cathodes in Dimethylformamide 12 3318
Cathodes in Molten Carbonates 7 1725
Cathodes Using a Potentiostatic-Galvanostatic Experimental Design 6 1503
Cathodic Polarization of Aluminum 1 96
Cathodic Polarization in the Electrical Conduction Behavior of Surface Fil 1 104
Cathodic Reduction of Oxides Formed on Copper at Elevated Temperatur 4 940
Cathodically Polarized HY-130 Steel 6 1526
Cathodoluminescence of Mn2+-Activated ZnGa2O4 8 2198
Cation-Doped Poly(isothianaphthene) 2 338
Cation-Exchanger Films by Plasma Polymerization 9 2350
CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Type Plasma Display P 4 880
CdS Films Elec 11 3238
CdS/CdTe Solar Cells with an Indium-Tin-Oxide Electrode 12 3572
CdSe and Sb2S3 Films Chemically Deposited with Silicotungstic Acid 10 2871
CdTe 2 529
CdTe in the Presence of a Monoelectronic Oxidizing Agent (Ce4+) 9 2409
CdZnTe on Si(001) and Si(112): Direct MBE Growth for Large-Area HgCdT 10 2888
(Ce, Gd, Tb)MgB5O10 Influence of Im 8 2201
Ce3+ Ions in CaS Prepared With or Without Flux 11 3188
(Ce4+) Electrochemical Beha 9 2409
CeCl3 Doped Al2O3 Films 10 2860
Cell Evaluati 7 1804
Cell 11 3103
Cell 1 54
Cell 1 1
Cell Deoxidation 2 467
Cell The 6 1418
Cell (MCFC) Synth 11 2959
Cell Anodes of Doped CeO2 8 2122
Cell Cathode Fabricated by Electrochemical Vapor Deposition 7 1928
Cell Electrolytes. I. Voltammetric Study of Impurity Formation 12 3325
Cell Electrolytes. II. Effects on the Oxygen Reduction Reaction at Platinu 12 3332
Cell for Controlling Oxygen Concentration in Oxides 6 1533
Cell Model 7 1751
Cell Performance 6 1577
Cell with Inductance Magnetic Field Effects in High-Power B 3 708
Cell with a ZrO2-Sc2O3-Al2O3 System Electrolyte 12 3450
Cells Solid-State 8 2010

Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric Acid Fuel **Cells** 11 3114
A 4 V Lithium Manganese Oxide Cathode for Rocking-Chair Lithium-Ion **Cells** 9 L106
yzed-Reaction Layer for Medium Temperature Operating Solid Oxide Fuel **Cells** 2 342
Relaxation Phenomena in Lithium-Ion-Insertion **Cells** 4 982
rmance of Platinum Ternary Alloy-Oxide in Solid-Polymer-Electrolyte Fuel **Cells** 4 968
iO(Li), LiFeO2, and LiCoO2 Porous Cathodes for Molten Carbonate Fuel **Cells** A Comparative Study of N 12 3429
rticles and Its Application to n-Si for Efficient Photoelectrochemical Solar **Cells** Preparation of a Langmuir-Blodgett Layer of Ultrafine Platinu 11 3077
sts of Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polymer Fuel **Cells** Life Te 9 L132
ed from Poly(p-phenylene) in Polyacrylonitrile-Based Polymer Electrolyte **Cells** The Behavior of Carbon Electrodes Deriv 11 L143
LiNiVO4: A 4.8 Volt Electrode Material for Lithium **Cells** 9 2279
lloy Composition on the Open-Circuit Voltage of Cadmium/Mercuric Oxide **Cells** Effect of Mercury-Silver A 10 2587
State Redox Reactions of LiCoO2 (R3m) for Four-Volt Secondary Lithium **Cells** Solid- 11 2972
Stabilized Alpha-Ni(OH)2 as Electrode Material for Alkaline Secondary **Cells** 11 2956
Electroless Deposition of Electrodes in Solid-Oxide Fuel **Cells** 8 L94
tability of Ordered and Disordered Co-Pt Alloys for Phosphoric Acid Fuel **Cells** Activity and S 10 2659
Behavior of Nitrogen-Substituted Carbon (NzC1-z) in Li/Li(NzC1-z)6 **Cells** 4 900
rticles Efficient Photoelectrochemical Solar **Cells** Equipped with an n-Si Electrode Modified with Colloidal Platinum Pa 11 3090
colungstic Acid Low Cost Schottky Barrier Solar **Cells** Fabricated on CdSe and Sb2S3 Films Chemically Deposited with Sili 10 2871
of Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar **Cells** on Spray Solvents Dependence of Photovoltages 5 1357
Mass Transport Phenomena in Proton Exchange Membrane Fuel **Cells** Using O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis 8 2084
Mass Transport Phenomena in Proton Exchange Membrane Fuel **Cells** Using O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis 8 2089
Modeling of Cylindrical Alkaline **Cells.** V. High Discharge Rates 1 15
Modeling of Cylindrical Alkaline **Cells.** VI. Variable Discharge Conditions 1 28
Modeling of Cylindrical Alkaline **Cells.** VII. A Wound Cell Model 7 1751
Oxygen Recombination in Sealed Ni-Cd **Cells** with Fiber Substrates 10 2614
Photovoltaic Properties of Sintered CdS/CdTe Solar **Cells** with an Indium-Tin-Oxide Electrode 12 3572
Effects of Temperature and Powder Morphologies on the Lifetime Study of Metastable Surface Recombination **Cementation** Rate of Copper in Alkaline Zinc Solution 3 664
rowth Technique Which Reduces Carbon to the Order of 10^14 per Cubic **Centers** in n-Type Silicon Wafers 6 1590
al Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped **Centimeter** A Czochralski Silicon G 8 2216
Dependence of the Kinetics of Electrochemical Vapor Deposition of **CeO2** Physic 8 2122
ents on the Adhesion of Electrolessly Deposited Ni(P) Layers on Alumina **CeO2** on Oxygen Partial Pressure 5 1261
Electrical and Microstructural Studies of SnO2 **Ceramic** The Influence of Thermal Treatm 3 816
Electroluminescence and Photoluminescence of **Ceramics** Obtained by Tin Sulfate Pyrolysis 11 3254
Ion Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in **Cerium-Activated** Alkaline Earth Thiogallate Thin Films and Devices 10 2877
erformance of Li-Carbon Intercalation Anodes for Rechargeable "Rocking **CF4** + O2 + Ar Reactive 10 2915
High-Selectivity and High-Deposition Rate Tungsten CVD Freed from **Chair"** Type Batteries The Correlation Between the Surface Chemis 3 603
e Observation of a Transient Structural **Chamber** Cleaning 2 566
Li Deintercalation-Intercalation Reaction and Structural **Change** during the Reversible Reduction of a Porphyrin Thin-Film Electrod 7 1735
Morphology **Change** in Lithium Transition Metal Nitride, Li7MnN4 11 2966
oscopic Ellipsometry Nanoscale Dimensional **Change** of Oxide Precipitates in CZ Silicon during Two-Step Annealing 12 3588
Behavior of Surface Films on Aluminum **Changes** and Optical Properties of Polyaniline Measured by In Situ Spectr 4 859
sparent Electrodes with Mixed Electronically Conductive and Ion-Storage **Changes** Produced by Cathodic Polarization in the Electrical Conduction 1 104
lectrolyte on Platinized-Carbon Electrodes with Several Functional-Group **Characteristics** Electrochemical and Structural Properties of SnO2 9 L127
Characteristics Electro-oxidation of Methanol in Sulfuric Acid E 6 1517
Thermal **Characteristics** and Modeling of a Solid State Hydrogen Sensor 2 461
Radical-Assisted Plasma Chemical Vapor Deposition C-V **Characteristics** of a Nickel-Hydrogen Battery 2 333
e at 100 C Cathode **Characteristics** of Amorphous Silicon Nitride Films Prepared by Hydrogen 3 742
Effects of Na2CO3 Addition on the Gas Sensing **Characteristics** of Amorphous V2O5 with Polymer Electrolyte and Li Anod 10 2611
Plasma Display Panels Effect of Calcium Content on the Discharge **Characteristics** of CuO/ZnO Heterocontact 5 L53
methylsulfate and Lithium Hexafluorophosphate Charge/Discharge **Characteristics** of CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Typ 4 880
The Effect of the Crystal Grown-in Defects on the Pause Tail **Characteristics** of Carbon Fiber with Graphite Structure in Organic Electr 6 1105
n Particulate Deposition Electrokinetic **Characteristics** of Megabit Dynamic Random Access Memory Devices 7 1872
Nucleation and Crystallization **Characteristics** of Nitride Wafers in Aqueous Solutions and their Impact o 9 2465
lline Silicon after Rapid Thermal Nitridation Physical and Electrical **Characteristics** of Phosphorus-Doped Amorphous Silicon "Slit Nano Wire" 5 1392
Effects of Oxide Thickness and Oxidation Parameters on the Electrical **Characteristics** of Thin Silicon Nitride Dielectric Films Deposited on Smoo 4 1066
Electrical **Characteristics** of Thin Oxides Grown by Rapid Thermal Oxidation of Si in 11 3222
s Effect of Hydrogen Bonding **Characteristics** of Zinc Sulfide Thin Films Deposited by Various Methods 5 1320
chromism of Electrodeposited Tungsten Trioxide Films. I. Electrochemical **Characteristics** on the Corrosion of Plasma-Deposited Silicon Nitride Film 7 1938
ochralski Silicon Substrates **Characterization** Electro 7 1758
Characterization and Elimination of Defects in Oxide Layers Grown on Cz 9 2460
Plasma-Assisted Chemical Vapor Deposition and **Characterization** Enhancements in Resist Photospeed 4 1034
Photostimulated Luminescence and Structural **Characterization** of Boron Nitride Films 6 1633
Process and Film **Characterization** of Ba5(PO4)3Cl:Eu2+ Phosphors 7 1851
g Nonagitated Secco Etching **Characterization** of Chemical-Bath-Deposited ZnS Thin Films 1 205
g Additives In Situ Scanning Vibrating Electrode Technique for the **Characterization** of Crystal Originated Defects in Czochralski Silicon Usin 11 3273
Substrates by Liquid-Phase Epitaxy Luminescence **Characterization** of Interface Between Lithium Electrode and Electrolytes 12 L159
Characterization of In0.12Ga0.88As0.34P0.66 Grown on GaAs0.61P0.39 9 2211
Surface **Characterization** of Nonstoichiometric Nickel Oxide Thin-Film Electrodes 4 899
Synthesis and **Characterization** of RuO2-IrO2-TiO2 Coated Titanium Electrodes 3 643
apid Thermal Processor Growth Rate and **Characterization** of Ru-Ti4O7 Microelectrode Arrays 4 1014
Characterization of Silicon Oxide Films Grown in N2O Atmosphere in a R 1 259
Characterization of Spontaneously Bonded Hydrophobic Silicon Surfaces 2 562
Electro-Optical **Characterization** of Si-Si Bonding by Wright Etching 3 796
Characterization of Sulfur-Annealed Chemical-Bath Deposited CdS Films 11 3238
ble Microbatteries **Characterization** of Sputter-Deposited LiMn2O4 Thin Films for Rechargea 12 3296
Type Silicon in Aqueous HF Solutions **Characterization** of the Electropolishing Layer during Anodic Etching of p- 8 2049
nate) during Redox Switching **Charge** and Ion Transport in Poly(pyrrole copper phthalocyanine tetrasulfo 1 35
Electrical **Charge** and HF Concentration Effect on Porous Silicon Formation 3 689
Modeling of **Charge** Carrier Transport in Photoetching of Gallium Arsenide 2 546
th High Yield of Water Absorption Positive **Charge** Induced by Inorganic Spin-On-Glass. Influence of Silicon Oxide wi 6 1628
Open-Circuit Photovoltage and **Charge** Recombination at Semiconductor/Liquid Interfaces 5 1231
Effect of Proton Diffusion, Electron Conductivity, and **Charge-Transfer** Resistance on Nickel Hydroxide Discharge Curves 2 346
g Lithium Trifluoromethylsulfate and Lithium Hexafluorophosphate **Charge/Discharge** Characteristics of Carbon Fiber with Graphite Structur 5 1105
Formation Mechanism of Supposed Negative Fixed **Charges** in Glass 11 3193
Defects Induced in p-Type Silicon by Photocathodic **Charging** of Hydrogen 6 1539
hin-Oxide Dielectric Strength Improvement by Adding a Phosphonic Acid **Chelating** Agent into NH4OH-H2O2 Solution T 10 L139
cies in Aqueous Chloride Medium **Chemical** Attack on Polypyrrole by Electrolytically Generated Solution Spe 11 2942
hylselenourea **Chemical** Bath Deposition of ZnSe and CuSe Thin Films Using N,N-Dimet 3 802
Wet **Chemical** Cleaning and Surface Analysis of ZnSe 7 1973
rosion of Passive Films on an Fe-17%Cr Alloy **Chemical** Composition, Chemical States, and Resistance to Localized Cor 1 111
ontaining Acid Solution Resistance to Pitting and **Chemical** Composition of Passive Films of a Fe-17%Cr Alloy in Chloride-C 10 2869
Chemical Composition of Passive Films on AISI 304 Stainless Steel 12 3347
of Electrical Conductivity Relaxation Precise Determination of the **Chemical** Diffusion Coefficient of Calcium-Doped Lanthanum Chromites b 5 1266
r In0.53Ga0.47As Masks Wet **Chemical** Etching of Alignment V-Grooves in (100) InP through Titanium o 6 1504
rientation of GaSb by Optical Reflectograms **Chemical** Etching Solution for the Determination of the Crystallographic O 8 2220
The **Chemical** Etching of GaSb in Br2-Methanol Solutions 11 3264
yltrichlorosilanes for the Protection of Copper Against Corrosion A **Chemical** Mechanisms for the Atmospheric Corrosion of Lead 4 922
Study of the Structure and **Chemical** Modification of Alkanethiol Self-Assembled Monolayers with Alk 8 2018
Anisotropic **Chemical** Nature of Porous Si and Siloxene by STM, AFM, XPS, and LIMA 2 402
Examination of Si Substrate Surface after Different **Chemical** Pattern Etching of Copper Foil. III. Mathematical Model 3 679
llic Particle Growth and Metal-Induced Pitting on Si Wafer Surface in Wet **Chemical** Pretreatments by Means of Nulling Ellipsometry 2 554
The Effects of Process-Induced Defects on the **Chemical** Processing Mechanism of Meta 10 2834
Chemical Selectivity of Highly Doped Boron Etch Stops in Silicon 1 178

on an Fe-17%Cr Alloy Chemical Composition,
ed CuInSe2 Thin Films Effects of Thermal and
Modeling the Wafer Temperature Profile in a Multiwafer Low Pressure
nd Precipitation in Semi-Insulating Fe-Doped InP Grown by Metalorganic
Evaluation of Isothermal
0 K Thermodynamic and Experimental Study of the
Effect of Carrier Gases on the
Thermodynamic Analysis Selective Area
ous Silicon Nitride Films Prepared by Hydrogen Radical-Assisted Plasma
e Morphological Structure of Silicon Carbide Grown by
chloride A Kinetic Study of Titanium Nitride
e in a Circular Impinging Jet Reactor. Simulation and Experiments
The Dependence of the Stress
Ellipsometric Examination of Structure and Growth Rate of Metalorganic
Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by
of Alpha-Si:H Thin Film Transistors Effects of Plasma-Enhanced
Oxygen Incorporation during Low Temperature
Synchronously Excited Discrete
Plasma-Assisted
ystem A Predictive Model for the
Reaction and Film Properties of Selective Titanium Silicide Low-Pressure
hase Reaction Study of Disilane Pyrolysis: Applications to Low Pressure
Multiple-Angle Incident Ellipsometry Measurement on Low Pressure
On the Formation of Defects and Morphology during
n of Rarefied Gas Transport and Profile Evolution in Nonplanar Substrate
(100) Oriented Poly-Si Film Grown by Ultrahigh Vacuum
Electrochromic Properties of Niobium Oxide Thin Films Prepared by
Chlorine-Activated Diamond
taxy Using Disilane and Hydrogen in an Ultrahigh Vacuum Rapid Thermal
Mass Spectrometric and Kinetic Study of Low-Pressure
ngsten Hexafluoride Nucleation on SiO2 during the Selective
FTIR Studies of the Adsorption/Desorption Behavior of Cu
FTIR Studies of the Adsorption/Desorption Behavior of Cu
perature (300 C) Silicon Epitaxial Growth by Confined Plasma Enhanced
Electro-Optical Characterization of Sulfur-Annealed
Process and Film Characterization of
Tribology Analysis of
Feature-Scale Fluid-Based Erosion Modeling for
Pattern Geometry Effects in the
Effect of Copper Ions in the Slurry on the
Deposition and Properties of Low-Pressure
u CVD Interconnection Formation by Doping
ation of Homogeneous Polycrystalline CuInSe2 Thin Films by a Two-Step
ates as Photoacid Generators

Control of Magnetic Properties of
Interfacial Diffusion of Metal Atoms during Air Annealing of
w Cost Schottky Barrier Solar Cells Fabricated on CdSe and Sb2S3 Films
d Silicon Tetrachloride Morphological Structure of Silicon Carbide,
Fischer-Tropsch Electrochemical CO2 Reduction to Fuels and
Electroluminescence and
tch Processes for Amorphous Silicon Thin-Film Transistors. SiCl4 Based
ocking Chair" Type Batteries The Correlation Between the Surface
Global Model of Plasma
The Surface
dynamic Analysis and Kinetic Modeling On the Homogeneous
Corrosion Inhibition of Cobalt in Some Acid Solutions by Bismuth(III)
Electrical Conductivity Measurement in Liquified Hydrogen
Solutions Cyclic Voltammetry of the Uranyl Ion in Magnesium
on Polypyrrole by Electrolytically Generated Solution Species in Aqueous
Electrodeposition of Palladium and Adsorption of Palladium
5 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous
ifting and Chemical Composition of Passive Films of a Fe-17%Cr Alloy in

Low Temperature
The Electrodeposition of Al3Ti from
Reversible Lithium-Graphite Anodes in Room-Temperature
Electrodeposition of Ni1-xAlx in a
Stability and Electrochemistry of Lithium in Room Temperature
A Silane-Based Electroactive Film Prepared in an Imidazolium
lectron Transfer Reactions of Tetrathiafulvalene in Ambient Temperature
Si Deposition from
n Si Deposition from
ation of the Chemical Diffusion Coefficient of Calcium-Doped Lanthanum
Electrodeposition of Cobalt-Chromium Alloy from Trivalent
Codeposited
owth Codeposited
n Defects in Silicon
3-Na3AlF6 Melts Used in the Electrolytic Production of Aluminum A
New Methods for
netic Field Effects in High-Power Batteries. II. Time Constant of a Radial
Deoxidation of Molten Metals by Short
ns and Electrical Leakage in Titanium-Salicided Silicon CMOS Integrated
Reliability Implications of Lateral Alkali-Ion Migration in MOS Integrated
al Vapor Deposition of Silicon from Disilane under Reduced Pressure in a
udomorphic MODFETs The Applications of
cture Device Fabrication
Measurement of Particle Emissions from
ment of Moisture and Total Hydrocarbon Contributions by Valves Used in
n Infrared Spectroscopy Hydrogen Passivation of HF-Last
Selectivity and High-Deposition Rate Tungsten CVD Freed from Chamber
Wet Chemical
In Situ Remote H-Plasma
Particle Deposition on Silicon Wafers during Wet
Electric Double-Layer Capacitor Composed of Activated Carbon Fiber
e/Drain Dislocations and Electrical Leakage in Titanium-Salicided Silicon
Fundamental Study on Electrodeposition of
n Films in Aqueous Environments The Influence of
Fundamental Study on Electrodeposition of Co and
Activity and Stability of Ordered and Disordered
The Reaction of Extremely Thin
usion, Phase Transformation, and Epitaxial CoSi2 Formation in Multilayer

Chemical States, and Resistance to Localized Corrosion of Passive Films 1 111
Chemical Treatments on the Composition and Structure of Electrodeposit 1 225
Chemical Vapor Deposition Furnace 1 161
Chemical Vapor Deposition Fe Incorporation a 1 242
Chemical Vapor Infiltration with Langmuir-Hinshelwood Type Kinetics 1 282
Chemical Vapor Codeposition in the Silicon-Boron-Carbon System at 140 2 452
Chemical Vapor Deposition of Tungsten from WF6-SiH4 2 475
Chemical Vapor Deposition of Silicon by the Alternating Cyclic Method: A 2 593
Chemical Vapor Deposition C-V Characteristics of Amorph 3 742
Chemical Vapor Deposition on Titanium Carbide Using Silane and Ethylen 3 765
Chemical Vapor Deposition Using Nitrogen, Hydrogen, and Titanium Tetra 3 787
Chemical Vapor Deposition of Silicon from Disilane under Reduced Press 3 824
Chemical Vapor Deposited Tungsten Films on Deposition Parameters 3 843
Chemical Vapor Deposited Ta2O5 Films on Si(100) 3 853
Chemical Vapor Deposition 4 1021
Chemical Vapor Deposition Substrate Heating on the Electrical Properties 4 1040
Chemical Vapor Deposition Growth of Epitaxial Silicon Films 5 1284
Chemical Vapor Deposition of Ta2O5 5 1339
Chemical Vapor Deposition and Characterization of Boron Nitride Films 6 1633
Chemical Vapor Deposition of Polysilicon in a Cold Wall, Rapid Thermal S 6 1658
Chemical Vapor Deposition 7 1879
Chemical Vapor Deposition Gas-P 8 2135
Chemical Vapor Deposited Amorphous Silicon and Polysilicon 8 2146
Chemical Vapor Deposition of Tungsten 8 2193
Chemical Vapor Deposition Simulatio 9 2545
Chemical Vapor Deposition 10 2848
Chemical Vapor Deposition 10 2868
Chemical Vapor Deposition 11 3246
Chemical Vapor Deposition Reactor Growth Kinetics, Silicon Nucle 11 3269
Chemical Vapor Deposition of Si3N4 Thin Films from SiH2Cl2 and NH3 12 3505
Chemical Vapor Deposition of Tungsten by the Hydrogen Reduction of Tu 12 3532
Chemical Vapor Deposition Precursors on Silica. III. 12 3539
Chemical Vapor Deposition Precursors on Silica. IV. 12 3547
Chemical Vapor Deposition The Kinetics of Very Low Tem 12 3584
Chemical-Bath Deposited CdS Films 11 3238
Chemical-Bath-Deposited ZnS Thin Films 1 205
Chemical-Mechanical Polishing 6 1698
Chemical-Mechanical Polishing 7 1900
Chemical-Mechanical Polishing of Inlaid Copper Structures 10 2842
Chemical-Mechanical Polish Rate of Titanium 12 3512
Chemical-Vapor Deposited Polycrystalline Silicon-Germanium Films 8 2235
Chemical-Vapor-Deposition Aluminum with Copper Simultaneously: Al-C 12 3494
Chemical-Vapor-Transport Process Prepar 2 558
Chemically Amplified Resists Using 1,2-Naphthoquinone Diazide-4-Sulfon 11 3141
Chemically Amplified Resist Using Self-Solubility Acceleration Effect 11 3162
Chemically Assisted Ion Beam Etching for Silicon-Based Microfabrication 6 1585
Chemically Deposited Cobalt Nickel Phosphorus Films by Electrolysis 9 2386
Chemically Deposited ZnS-CuS and PbS-CuS Thin Films 9 2536
Chemically Deposited with Silicotungstic Acid Lo 10 2871
Chemically Vapor Deposited on Titanium Carbide Using Ethylene, Carbon 3 771
Chemicals 11 3119
Chemiluminescence of Porous Silicon in Nonaqueous Solution 5 1157
Chemistry Reactive Ion E 2 502
Chemistry and the Performance of Li-Carbon Intercalation Anodes for Rec 3 603
Chemistry in a High Density Oxygen Discharge 6 1546
Chemistry of Lithium Electrodes in Alkyl Carbonate Solutions 1 L1
Chemistry of the Thermal Decomposition of Methyltrichlorosilane. Thermo 6 1599
Chloride 2 352
Chloride 1 246
Chloride Electrolyte at a Graphite Electrode in Weakly Acidic and Neutral 2 311
Chloride Medium Chemical Attack 11 2942
Chloride onto Solid Electrodes from Room Temperature Molten Salts 4 1000
Chloride Solutions Electrochemistry and Passivity of Ti-1 10 2633
Chloride-Containing Acid Solution Resistance to P 10 2669
Chlorine-Activated Diamond Chemical Vapor Deposition 11 3246
Chlorine-Based Dry Etching of III-V Semiconductors 8 2250
Chloroaluminate Electrolytes 4 945
Chloroaluminate Melts 3 L21
Chloroaluminate Melt 11 3059
Chloroaluminate Molten Salts 4 873
Chloroaluminate Molten Salt 7 1709
Chloroaluminate Molten Salts Heterogeneous and Homogeneous E 7 1713
Chlorosilanes. I. Deposition Modeling 8 2072
Chlorosilanes. II. Numerical Analysis of Thermofluid Effects on Depositio 8 2078
Chromites by Means of Electrical Conductivity Relaxation Precise 5 1268
Chromium Solutions 7 1773
Chromium-Aluminide Coatings. I. Definition of the Codeposition Regimes 6 1464
Chromium-Aluminide Coatings. II. Kinetics and Morphology of Coating Gr 10 2690
Chromium-Free Etch for Revealing and Distinguishing Metal Contaminatio 10 2821
Chronoamperometric Study of Anodic Processes at Various Types of Car 8 2103
Circuit Fabrication on Poly(tetrafluoroethylene) Substrates 12 3556
Circuit Terminated by a Cylindrical Coil with Inductance Mag 3 708
Circuiting Yttria-Stabilized Zirconia Electrolyte Cell 2 467
Circuits Source/Drain Dislocatio 7 1957
Circuits 11 3250
Circular Impinging Jet Reactor. Simulation and Experiments Chemi 3 824
Citric Acid/Hydrogen Peroxide Etching Solutions in the Processing of Pse 4 1082
Citric Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostru 12 3526
Clean Room Gas-Handling Components 6 1649
Clean Room Gas-Delivery Systems Measure 8 1653
Cleaned (100) Silicon Surfaces Investigated by Multiple Internal Reflectio 11 3128
Cleaning High- 2 566
Cleaning and Surface Analysis of ZnSe 7 1973
Cleaning of Patterned Si-SiO2 Surfaces 11 3136
Cleaning Processes 6 1684
Cloth Electrodes and Solid Polymer Electrolytes Containing Alkylammoniu 7 1730
CMOS Integrated Circuits Sourc 7 1957
Co and Co-P Films 7 1783
Co Content on the Corrosion Resistance of Sputter-Deposited TbFeCo Thi 5 1199
Co-P Films 7 1783
Co-Pt Alloys for Phosphoric Acid Fuel Cells 10 2659
Co-Zr and Pd-Ta Layers with Si(100) 2 519
Co/Ti-Si(100) System Interdiff 12 3480

Poisoning and Activation of the Gold Cathode during Electroreduction of
Electrochemical Reduction of Liquid
roduct Selectivity Electrochemical Reduction of
Pulsed Electroreduction of
rystalline Structures of Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of
the Electrocatalysis of CO2 Reduction Design of Electrocatalyst for
Fischer-Tropsch Electrochemical
Measurement of Interfacial Re-equilibration during Hydrogen Bubble
Electroless Copper Plating Using ZnO Thin Film
Surface Characterization of RuO2-IrO2-TiO2
lectrochemical Noise Analysis Evaluation of
odeposited Chromium-Aluminide Coatings. II. Kinetics and Morphology of
Flooded-Agglomerate Model to Study Oxygen Reduction on Thin Porous
Amorphous and Crystalline State of Electrodeposited Nickel-Phosphorus
Codeposited Chromium-Aluminide
Codeposited Chromium-Aluminide
Electrochromic Oxidation and Reduction of
ents on Scale Growth in High-Temperature Oxidation of Pure Nickel, Iron,
Corrosion Inhibition of
Control of Magnetic Properties of Chemically Deposited
lectrodes Electrocatalytic Activity of Nafion-Impregnated Pyrolyzed
Improved Performance of Unmodified and
Buried
tion of Carbon Dioxide at Dual-Film Electrodes Modified With and Without
Electrodeposition of
is Study of Electrodeposited Nickel-Molybdenum, Nickel-Tungsten,
eposited Nickel-Molybdenum, Nickel-Tungsten, Cobalt-Molybdenum, and
ion Regimes
of Coating Growth
Thermodynamic and Experimental Study of the Chemical Vapor
Electrolytic
Codeposited Chromium-Aluminide Coatings. I. Definition of the
Rotating Disk Studies in Molten Carbonates. III. Diffusion
uctivity Relaxation Precise Determination of the Chemical Diffusion
trode from DMSO2 Electrolytes. Determination of Al(III) Species Diffusion
A Predictive Model for the Chemical Vapor Deposition of Polysilicon in a
Prevention of Resist Pattern
Current Distribution in a Positive Current
s Effect of SiO2
lectrochemical Solar Cells Equipped with an n-Si Electrode Modified with
abricated from Peroxo-Polymolybdate Solution
Room-Temperature
Wideqap
A Galvanic Series for Thin-Film Metallizations and Barrier Layers
and Organic Langmuir-Blodgett Films of Polyaniline A
Molten Carbonate Fuel Cells A
The Susceptibility to Surface Corrosion in Acidic Fluoride Media: A
Metal Electrodes at Low Potentials in Propylene Carbonate Solutions. A
mposite Electrodes Consisting of Metal and Oxidized Carbon Particles for
ilver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen
at Dual-Film Electrodes Modified With and Without Cobalt(II) and Iron(II)
olluted Seawater The Conflicting Roles of
s Thermal
Measurement of Particle Emissions from Clean Room Gas-Handling
Containing Alkylammonium Salts Electric Double-Layer Capacitor
emical and In Situ Spectroelectrochemical Study on Polypyrrole/Disulfide
rmance of Unmodified and Cobalt Phthalocyanine-Modified Carbon-Kel-F
for Complete Degradation of Trichloroethylene in Acetonitrile
terial in Lithium Secondary Batteries Electrochemical Synthesis of
s in Modification Solutions Polyoxometallate-based Layered
Electrochemical Behavior of Polyaniline-Poly(styrene sulfonate)
balance Investigation of a Poly(pyrrole)/Sulfated Poly(Beta-hydroxyether)
s Electrochemical Properties of a Polypyrrole/Polystyrenesulfonate
ct of SiO2 Colloid on the Electrodeposition of Zinc-Iron Group Metal Alloy
Effects of Thermal and Chemical Treatments on the
Optimization of
Passive Films on an Fe-17%Cr Alloy Chemical
Effect of Corrosion on the
Acid Solution Resistance to Pitting and Chemical
Chemical
ts Effect of Mercury-Silver Alloy
Deposited by Electron Cyclotron Resonance Plasmas Kinetics and
Dual-Bath Electrodeposition of Cu/Ni
ole in Electromigration Lifetime Intermetallic
nd Ionic Contributions to the Free Energy of Alkali Metals in Intercalation
volution Reaction at Raney Nickel Electrodes in the Presence of Organic
A Thermodynamic Analysis of Selective Area CVD of Titanium Nitride
Ionic Conductivity of Dual-Phase Polymer Electrolytes
n State and the SiO2 Etching Reaction for HF Solutions of Extremely Low
Electrodes. I. Development of the Model Hydrogen Surface
ctrodes. II. Quantitative Numerical Calculations Hydrogen Surface
Oxidation of 6H-SiC as a Function of Doping
de Study of the Lithium/Propylene Carbonate Interface: Temperature and
Mn2+
Electrical Charge and HF
ting Disk Studies in Molten Carbonates. III. Diffusion Coefficient and Bulk
Double-Solid Electrochemical Cell for Controlling Oxygen
Accurate Evaluation Techniques of the Interstitial Oxygen
Study of the Oxidation of n-InP with Low Carrier
Enhanced Diffusion of Dopants at
Oxygen Precipitation Uniformity in CZ Silicon Crystals Using the S-Curve
e in a SILO/RTN Isolation Process for Advanced ULSI. Introducing a New
Modeling of Cylindrical Alkaline Cells. VI. Variable Discharge
el LiMn2O4 Synthesis
Extrinsic
Patterned Electrical
ersed Cylindrical Horizontally Revolving Electrodes for the Production of
Changes Produced by Cathodic Polarization in the Electrical
ratures Hopping
Protonic
Electrical
s of SnO2 and Sb:SnO2 Transparent Electrodes with Mixed Electronically
arge Curves Effect of Proton Diffusion, Electron

CO2 5 L58
CO2. Drastic Enhancement of Current Density 9 L130
CO2 on a Cu Electrode under High Pressure. Factors that Determine the P 8 2097
CO2 on Copper Electrodes-II 5 1138
CO2 Reduction Design of Electrocatalyst for CO2 Reduction. V. Effe 8 2054
CO2 Reduction. V. Effect of the Microcrystalline Structures of Cu-Sn and 8 2054
CO2 Reduction to Fuels and Chemicals 11 3119
Coalescence 5 1118
Coated on a Glass Substrate 5 L56
Coated Titanium Electrodes 3 643
Coating Degradation with Electrochemical Impedance Spectroscopy and E 9 2332
Coating Growth C 10 2690
Coating Rotating Disk Electrode Application of the 2 431
Coatings On the 1 294
Coatings. I. Definition of the Codeposition Regimes 6 1464
Coatings. II. Kinetics and Morphology of Coating Growth 10 2690
Cobalt and Zinc Naphthalocyanine Thin Films 1 64
Cobalt and Copper. I. Oxidation Kinetics and Scale Morphology The 7 1905
Cobalt in Some Acid Solutions by Bismuth(III) Chloride 2 352
Cobalt Nickel Phosphorus Films by Electrolysis 9 2386
Cobalt Phthalocyanine A Correlative Study Between Rotating Disk and Sol 1 41
Cobalt Phthalocyanine-Modified Carbon-Kel-F Composite Electrodes 2 323
Cobalt Silicide Layers in Silicon Created by Wafer Bonding 10 2829
Cobalt(II) and Iron(II) Complexes Electrochemical Reduc 2 419
Cobalt-Chromium Alloy from Trivalent Chromium Solutions 7 1773
Cobalt-Molybdenum, and Cobalt-Tungsten as Hydrogen Electrodes in Alk 2 382
Cobalt-Tungsten as Hydrogen Electrodes in Alkaline Water Electrolysis 2 382
Codeposited Chromium-Aluminide Coatings. I. Definition of the Codeposit 6 1464
Codeposited Chromium-Aluminide Coatings. II. Kinetics and Morphology 10 2690
Codeposition in the Silicon-Boron-Carbon System at 1400 K 2 452
Codeposition of Ni-Gamma Al2O3 Thin Films 3 669
Codeposition Regimes 6 1464
Coefficient and Bulk Concentration in Lithium Carbonate 9 2338
Coefficient of Calcium-Doped Lanthanum Chromites by Means of Electric 5 1268
Coefficients Electrodepoeition Studies of Aluminum on Tungsten El 2 378
Cold Wall, Rapid Thermal System 6 1658
Collapse by Resist Heating during Rinsing 12 L169
Collector of a Sodium-Selenium(IV) Molten Salt Battery 9 2413
Colloid on the Electrodeposition of Zinc-Iron Group Metal Alloy Composite 4 954
Colloidal Platinum Particles Efficient Photoe 11 3090
Coloration Dynamics of Spin-Coated MoO3.nH2O Electrochromic Films F 4 876
Coloration of Stainless Steel by Alternating Potential Pulse Method 3 648
Column-III Nitride Semiconductors for UV/Blue Light Emitting Devices 8 2286
Commonly Used in the Microelectronics Industry 3 807
Comparative Study of the Electrochemical Properties of Dip-Coated, Spun 6 1573
Comparative Study of NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for 12 3429
Comparison of Diamond, HOPG, and Glassy Carbon Electrodes 12 3382
Comparison to Studies of Li Electrodes Impedance Spectroscopy o 7 1808
Complete Degradation of Trichloroethylene in Acetonitrile Co 6 1522
Complex Effects of Electrogenerated S 11 3049
Complexes Electrochemical Reduction of Carbon Dioxide 2 419
Complexing Agents on the Corrosion of Copper-Nickel Alloys in Sulfide P 6 1432
Component of the Optical Response of Thin-Film High-Tc Superconductor 3 810
Components 6 1649
Composed of Activated Carbon Fiber Cloth Electrodes and Solid Polymer 7 1730
Composite Electrode Electroch 4 L49
Composite Electrodes Improved Perfo 2 323
Composite Electrodes Consisting of Metal and Oxidized Carbon Particles 6 1522
Composite Films of Manganese Dioxide and Polypyrrole and Their Proper 1 10
Composite Films on Electrodes. Preparation Through Alternate Immersion 1 140
Composite Films in Organic Electrolyte Solutions 6 1409
Composite Film Electrochemical Quartz Crystal Micro 8 2004
Composite Film and Its Application to Rechargeable Lithium Battery Cath 9 2326
Composites Effe 4 954
Composition and Structure of Electrodeposited CuInSe2 Thin Films 1 225
Composition and Structure of Metal-Hydride Electrodes 7 1747
Composition, Chemical States, and Resistance to Localized Corrosion of 1 111
Composition of Pulse-Plated Cu-Ni Alloys 6 1509
Composition of Passive Films of a Fe-17%Cr Alloy in Chloride-Containing 10 2669
Composition of Passive Films on AISI 304 Stainless Steel 12 3347
Composition on the Open-Circuit Voltage of Cadmium/Mercuric Oxide Cel 10 2587
Compositional Dependence on the Microwave Power and SiH4/N2 Flow R 11 3234
Compositionally Modulated Multilayers 1 230
Compound Formation in Ti/Al Aluminum Alloy Thin Film Couples and Its R 1 302
Compounds The Electronic a 9 2297
Compounds Study of the Mechanism of the Hydrogen E 4 975
Compounds by the Alternating Cyclic Method 4 1086
Comprised of NBR/SBR Latex Films Swollen with Lithium Salt Solutions 8 1989
Concentration A Study of the Dissociatio 2 386
Concentration and Overpotential for Galvanostatic Discharge of Hydride 8 2108
Concentration and Overpotential for Galvanostatic Discharge of Hydride 8 2113
Concentration and Temperature 8 2262
Concentration Dependence of Physicochemical Parameters Micros 11 3053
Concentration Effect on the Optical Properties of Zn2SiO4:Mn Phosphors 2 524
Concentration Effect on Porous Silicon Formation 3 689
Concentration in Lithium Carbonate Rota 9 2338
Concentration in Oxides 6 1533
Concentrations in Medium-Resistivity Si Crystals 5 1362
Concentrations in the Negative Potential Region 5 1161
Concentrations near the Solubility Limit 12 3593
Concept Improving Axial 1 173
Concept of Surface Gettering Optimization of Ultrathin Gate Oxid 10 2811
Conditions 1 28
Conditions and Oxygen Stoichiometry Effects on Li Insertion into the Spin 6 1421
Conditions for Low Temperature Silicon Homoepitaxy 9 2470
Conductance and Electrode Formation in Ion-Implanted Diamond Films 4 L41
Conducting Polymers Partially Imm 1 147
Conduction Behavior of Surface Films on Aluminum 1 104
Conduction in Molecular Beam Epitaxial GaAs Grown at Very Low Tempe 3 747
Conduction Phosphate Glasses 6 L64
Conduction Through Anodic Oxides on Sulfur Passivated InP 1 299
Conductive and Ion-Storage Characteristics Electrochemical and St 9 L127
Conductivity, and Charge-Transfer Resistance on Nickel Hydroxide Disch 2 346

Ionic
Electronic
Electrical
Lithium Ion
cizer for Poly(ethylene oxide) Ionic
Effect of Low Temperature (<900 C) RTA on the
or Factors Affecting the
Latex Films Swollen with Lithium Salt Solutions Ionic
Oxide Ionic
Electronic
Electronic
oefficient of Calcium-Doped Lanthanum Chromites by Means of Electrical
anes AC Impedance and
-Power Batteries. I. The Penetration of an Electric Field into a Cylindrical
Detection of D2O in Water Isotopes Using a High Temperature Protonic
Electrochemical Hydrogen Permeation in a Proton-Hole Mixed
Physical Properties of Mixed
Polysilicon Doping Process Using POCl3 A Novel Reactor Design
he Kinetics of Very Low Temperature (300 C) Silicon Epitaxial Growth by
el Alloys in Sulfide Polluted Seawater The
In Situ Monitoring of Electrode Surface Modification via
Ellipsometry Wavelength
ion of Trichloroethylene in Acetonitrile Composite Electrodes
nce Magnetic Field Effects in High-Power Batteries. II. Time
the Silicon/Silicon-Oxide System of an Anodic Oxide Film Modified
Analysis of Nonexponential Transient Response Due to a
nergy Conversion at the p-InP/Vanadium3+/2+ Semiconductor/Electrolyte
A Low-Noise
Protective Treatments for Nickel-Based
High Temperature Ohmic
<900 C) RTA on the Conductivity of As-Implanted Layers and Metal to P+
Thermal Stability of Cu/CoSi2
ng Process Using POCl3 A Novel Reactor Design Configuration for
Chromium-Free Etch for Revealing and Distinguishing Metal
sion Furnaces
Measurement of Mobile Ion
Determination of Sub-Parts per Billion Boron
Improved Phosphosilicate Glass Passivation Against Cu
hancement of the Reactive Deposition Rate of TiN Films at Low Nitrogen
Al-Si Alloys Mg
odes for Use in DC-Type Plasma Display Panels Effect of Calcium
ilms in Aqueous Environments The Influence of Co
Alloy 625 Modeling of the Factors
Measurement of Moisture and Total Hydrocarbon
nds The Electronic and Ionic
ng POCl3 A Novel Reactor Design Configuration for Contamination
A Simple Method to
Effects of Deposition and Ion Scattering on Profile
Local Etch-Rate
sphorus Films by Electrolysis
Modeling, Identification, and
The Use of Anodic Oxide Films to
sition Quartz Crystal Electrogravimetry with
Double-Solid Electrochemical Cell for
The Role of Induced
SiC Silicon-On-Insulator Structures by Direct Carbonization
n Differential Capacitance and Current-Voltage Data Solar Energy
y of the Cross Effect Between Ion and Electron Flows in Semiconducting
lyaniline Derivative with External and Internal Doping via Electrochemical
elf-Assembled Monolayers with Alkyltrichlorosilanes for the Protection of
on of Metal Layers Structural Properties and Growth Mechanism of
Cathodic Reduction of Oxides Formed on
Electroless
Pulsed Electroreduction of CO2 on
Use of In Situ Atomic Force Microscopy to Image
Anisotropic Chemical Pattern Etching of
le Growth in High-Temperature Oxidation of Pure Nickel, Iron, Cobalt and
ts of Temperature and Powder Morphologies on the Cementation Rate of
and 373 K Mechanism of Atmospheric Corrosion of
nium Effect of
Electrodeposition of
Charge and Ion Transport in Poly(pyrrole
Electroless
nnection Formation by Doping Chemical-Vapor-Deposition Aluminum with
Pattern Geometry Effects in the Chemical-Mechanical Polishing of Inlaid
Factors Affecting the Conductivity of
The Role of an Electrolysis Reduction in
X-Ray Absorption Spectroscopy Structure of the
The Conflicting Roles of Complexing Agents on the Corrosion of
Electrochemically Layered
edance Analysis of a Surface Microstructure during Anodic Oxidation of a
Effect of Negative Air
tion Anodes for Rechargeable "Rocking Chair" Type Batteries The
asurements Rapid Thermal Annealing of p-Type Silicon.
Effect of Plasma Etching Edge-Type Exposures on Si Substrates: A
quid Interfaces
gy of Porous n-Type Silicon Obtained by Photoelectrochemical Etching. I.
talytic Activity of Nafion-Impregnated Pyrolyzed Cobalt Phthalocyanine A
ation of an Electrochemical Quartz Crystal Microbalance during Localized
Application of Harmonic Analysis in the Measuring Technique of
onolayers with Alkyltrichlorosilanes for the Protection of Copper Against
Use of In Situ Atomic Force Microscopy to Image
Effect of Ion Implantation on the
An Approach for Estimating Anodic Current Distributions in Crevice
d Glassy Carbon Electrodes The Susceptibility to Surface
ride
rochemical Impedance Spectroscopy Study

f the Factors Contributing to the Initiation and Propagation of the Crevice
The Conflicting Roles of Complexing Agents on the
rticles at 300 and 373 K Mechanism of Atmospheric
Chemical Mechanisms for the Atmospheric

Conductivity in Ordered and Disordered Phases of Plastic Crystals 7 1921
Conductivity in the La(Cr,Ni)O3 Perovskite System 3 782
Conductivity Measurement in Liquified Hydrogen Chloride 1 246
Conductivity of A-Site Deficient Perovskite Solid Solution La0.67-xLi3xTi 7 L78
Conductivity of a Polymer Electrolyte with Modified Carbonate as a Plasti 4 886
Conductivity of As-Implanted Layers and Metal to P+ Contact Resistance 8 2223
Conductivity of Copper-Coated Direct Current Electroluminescent Phosph 9 2513
Conductivity of Dual-Phase Polymer Electrolytes Comprised of NBR/SBR 8 1989
Conductivity of Doped NdAlO3 Perovskite-Type Oxides 12 3444
Conductivity of In2O3 Solid Solutions with ZrO2 10 2759
Conductivity of Polycrystalline Na-Beta-Alumina at High Temperatures 10 2779
Conductivity Relaxation Precise Determination of the Chemical Diff 5 1268
Conductivity Study of Alkali Salt Form Perfluorosulfonate Ionomer Membr 2 448
Conductor Magnetic Field Effects in High 3 703
Conductor 9 L125
Conductor and Its Application to a Membrane Reactor 7 1720
Conductor Solid Oxide Fuel Cell Anodes of Doped CeO2 8 2122
Configuration for Contamination Control and Improved Performance in th 8 2257
Confined Plasma Enhanced Chemical Vapor Deposition T 12 3584
Conflicting Roles of Complexing Agents on the Corrosion of Copper-Nick 6 1432
Confocal Scanning Beam Laser Microscopy 11 L153
Considerations for Improved Silicon Wafer Temperature Measurement by 2 539
Consisting of Metal and Oxidized Carbon Particles for Complete Degradat 6 1522
Constant of a Radial Circuit Terminated by a Cylindrical Cell with Inducta 3 755
Constant-Current Anodization. A Promising Mechanism for Minimizing Int 8 2227
Constant-Phase Element 12 3423
Contact. A Study Based on Differential Capacitance and Current-Voltage 8 2040
Contact for Rotating Electrodes 9 L123
Contact Materials 7 1977
Contact Metallizations for n-Type 3C-SiC 2 579
Contact Resistance Effect of Low Temperature (8 2223
Contacted p+n Shallow Junction with and without TiW Diffusion Barrier 10 2804
Contamination Control and Improved Performance in the Polysilicon Dopi 8 2257
Contamination Defects in Silicon 10 2821
Contamination Determination for Silicon Carbide Cantilever Forks in Diffu 5 1304
Contamination in Multilayer Metallization by Triangular Voltage Sweep 7 1862
Contamination in N+ Czochralski Silicon Substrates by SIMS 12 3453
Contamination Using the Rapid Thermal Annealing Process 3 734
Content En 1 L8
Content Dependence of the Electromigration Resistance of Fine-Grained 10 2857
Content on the Discharge Characteristics of CaxLa1-xCrO3 Thick-Film Ca 4 880
Content on the Corrosion Resistance of Sputter-Deposited TbFeCo Thin F 5 1199
Contributing to the Initiation and Propagation of the Crevice Corrosion of 11 3006
Contributions by Valves Used in Clean Room Gas-Delivery Systems 6 1653
Contributions to the Free Energy of Alkali Metals in Intercalation Compou 9 2297
Control and Improved Performance in the Polysilicon Doping Process Usi 8 2257
Control Bipolar Polysilicon Emitter Interfacial Oxide 11 3167
Control in Submicron Oxide Etch 10 2904
Control of Masked InP/InGaAsP by Diffusion-Limited Etching 7 1954
Control of Magnetic Properties of Chemically Deposited Cobalt Nickel Pho 9 2386
Control of Rapid Thermal Processing Systems 11 3200
Control the Diffusion of Zinc in GaAs 6 1639
Controlled Hydrodynamics. Application to the Study of Nickel Electrodepo 9 L103
Controlling Oxygen Concentration in Oxides 6 1533
Convection in Branched Electrodeposit Morphology Selection 5 1206
Conversion and Postgrowth from Silacyclobutane 6 L66
Conversion at the p-InP/Vanadium3+/2+ Semiconductor/Electrolyte Conta 8 2040
CoO Electrochemical Stud 10 2789
Copolymerization of Aniline and 2,5-Diaminobenzenesulfonic Acid on IrO 10 2624
Copper Against Corrosion A Chemical Modification of Alkanethiol S 8 2018
Copper and Indium Selenide Films Prepared by Electrochemical Selenizat 6 1566
Copper at Elevated Temperatures 4 940
Copper Deposition Process Using Glyoxylic Acid as a Reducing Agent 3 730
Copper Electrodes-II 5 1138
Copper Electrodeposits on Platinum 5 1166
Copper Foil. III. Mathematical Model 3 679
Copper. I. Oxidation Kinetics and Scale Morphology The Role of Re 7 1905
Copper in Alkaline Zinc Solution Effec 3 664
Copper in the Presence of Submicron Ammonium Sulfate Particles at 300 11 2935
Copper Ions in the Slurry on the Chemical-Mechanical Polish Rate of Tita 12 3512
Copper Oxide from the Eutectic Sodium-Potassium Nitrate Melt 2 388
copper phthalocyanine tetrasulfonate) during Redox Switching 1 35
Copper Plating Using ZnO Thin Film Coated on a Glass Substrate 5 L56
Copper Simultaneously: Al-Cu CVD Interco 12 3494
Copper Structures 10 2842
Copper-Coated Direct Current Electroluminescent Phosphor 9 2513
Copper-Electroplating on Transparent Semiconductor Tin Oxide 4 L38
Copper-Monolayer/Platinum-Electrode Interface as Measured by In Situ 9 2369
Copper-Nickel Alloys in Sulfide Polluted Seawater 6 1432
Copper-Nickel Nanocomposites with Enhanced Hardness 1 L10
Copper/Gold Alloy Fast Imp 12 3416
Corona-Stress on Metal-Oxide-Semiconductor Capacitors 2 572
Correlation Between the Surface Chemistry and the Performance of Li-Ca 3 603
Correlation Between Deep-Level Transient Spectroscopy and Lifetime Me 3 754
Correlation Between Carrier Lifetime and Etch-Induced Defect States 11 3230
Correlations of Atomic Structure and Reactivity at Solid-Gas and Solid-Li 11 3278
Correlations with Material and Etching Parameters Morpholo 4 958
Correlative Study Between Rotating Disk and Solid Polymer Electrolyte F 1 41
Corrosion Calibr 7 1838
Corrosion 8 2068
Corrosion A Chemical Modification of Alkanethiol Self-Assembled 8 2018
Corrosion at Inclusions 6 1439
Corrosion Behavior of Lead and a Lead-Antimony Alloy 10 2677
Corrosion from Potential Measurements 2 358
Corrosion in Acidic Fluoride Media: A Comparison of Diamond, HOPG, an 12 3382
Corrosion Inhibition of Cobalt in Some Acid Solutions by Bismuth(III) Chlo 2 352
Corrosion Inhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic Acid An Elect 12 3357
Corrosion of Alpha-Al-Bronze in Saline Water 1 71
Corrosion of Alloy 625 Modeling o 11 3006
Corrosion of Copper-Nickel Alloys in Sulfide Polluted Seawater 6 1432
Corrosion of Copper in the Presence of Submicron Ammonium Sulfate Pa 11 2935
Corrosion of Lead 4 922
Corrosion of Nickel in Molten Carbonate 11 3040

Chemical Composition, Chemical States, and Resistance to Localized
Effect of Hydrogen Bonding Characteristics on the
Pitting
Effect of
s Environments The Influence of Co Content on the
Ellipsometric Analysis of Growth Process and
troscopy Detection of
Interdiffusion, Phase Transformation, and Epitaxial
hemically Deposited with Silicotungstic Acid Low
Plasma Induced Damage in a Planar Inductively
Intermetallic Compound Formation in Ti/Al Aluminum Alloy Thin Film
lms for Selective Electroless Metal Deposition
XPS and STM Investigation of the Passive Film Formed on
e Solutions Electrochemistry and Passivity of Ti-15 V-3
mperatures
Buried Cobalt Silicide Layers in Silicon
An Approach for Estimating Anodic Current Distributions in
deling of the Factors Contributing to the Initiation and Propagation of the
ntylphosphine during InP MOCVD Growth Studied by FTIR Spectroscopy.
Metastable Pitting of Aluminum and
Electrochemical Study of the
The Perspectives of Silicon-On-Insulator Technologies for
he Study of Nickel Electrodeposition Quartz
namic Random Access Memory Devices The Effect of the
Phosphor Development for Alpha-Silicon Liquid
Films on Gold Electrodes Application of an Electrochemical Quartz
Calibration of an Electrochemical Quartz
ydroxyether) Composite Film Electrochemical Quartz
In Situ Monitoring of Phosphatation Reactions on Zn Using the Quartz
o Etching Characterization of
Improvement of the Gate Oxide Integrity by Modifying
On the Amorphous and
m(III) Oxide onto Glassy Carbon Evolution of
Slit Nano Wire" Nucleation and
Chemical Etching Solution for the Determination of the
Sulfate Solutions Ductility and
Ionic Conductivity in Ordered and Disordered Phases of Plastic
niques of the Interstitial Oxygen Concentrations in Medium-Resistivity Si
Photoluminescence Measurement of Carbon in Silicon
Improving Axial Oxygen Precipitation Uniformity in CZ Silicon
Behavior of Nickel Anode in
FTIR Studies of the Adsorption/Desorption Behavior of
FTIR Studies of the Adsorption/Desorption Behavior of
Improved Phosphosilicate Glass Passivation Against
ectivity Electrochemical Reduction of CO2 on a
Effect of Corrosion on the Composition of Pulse-Plated
catalyst for CO2 Reduction. V. Effect of the Microcrystalline Structures of
CO2 Reduction. V. Effect of the Microcrystalline Structures of Cu-Sn and
Barrier Thermal Stability of
Dual-Bath Electrodeposition of
icon Growth Technique Which Reduces Carbon to the Order of 10^14 per
Evolution of Crystallinity during the Electrodeposition of Body-Centered
bdide Medium
eterogeneous Material
emical Treatments on the Composition and Structure of Electrodeposited
Preparation of Homogeneous Polycrystalline
Effects of Na2CO3 Addition on the Gas Sensing Characteristics of
The Dissolution Behavior of Silver in Ammoniacal Solutions with
Current Distribution in a Positive
Electrochemical Reduction of Liquid CO2. Drastic Enhancement of
The Exchange
ting Fluid Flow Limiting
An Approach for Estimating Anodic
IV) Molten Salt Battery
Factors Affecting the Conductivity of Copper-Coated Direct
tion of Noise Resistance from Simultaneous Electrochemical Voltage and
Acid Fuel Cells Limiting
uctor/Electrolyte Contact. A Study Based on Differential Capacitance and
tron Reduction Analysis of
Mass-Transport Enhancement by Rising Bubble
ductivity, and Charge-Transfer Resistance on Nickel Hydroxide Discharge
Analysis of Current/Voltage
Chemical Bath Deposition of ZnSe and
Chemical-Vapor-Deposition Aluminum with Copper Simultaneously: Al-Cu
High-Selectivity and High-Deposition Rate Tungsten
Modeling of
A Thermodynamic Analysis of Selective Area
ide Films Deposited on Featured Surfaces of VLSI Substrates by Thermal
tion with Pyramidal Hillock and Reduction by Photoexcited Hydrogen in Si
ia for the Design of Organophosphine Precursors Decomposition of
Redox
Selective Area Chemical Vapor Deposition of Silicon by the Alternating
of Selective Area CVD of Titanium Nitride Compounds by the Alternating
a Graphite Electrode in Weakly Acidic and Neutral Solutions
Influence of Electrolyte on Lithium
Effect of Additives on Lithium
Electrochromic Performances of Polyaniline Films during Their
ary Lithium Battery Applications. Electrochemical Kinetic Studies
ors Decomposition of Cyanoethylphosphine, Benzylphosphine, and
Surface Damage on GaAs Etched Using a Multipolar Electron
Deposition of TiN Using Tetrakis(dimethylamido)-Titanium in an Electron
e Power and SiH4/N2 Flow Ratio of Silicon Nitride Deposited by Electron
Modeling of
Modeling of
Modeling of
gh-Power Batteries. II. Time Constant of a Radial Circuit Terminated by a
cts in High-Power Batteries. I. The Penetration of an Electric Field into a
cting Polymers Partially Immersed
Neutral Particle Flux Calculations in Plasma Etching for
Improving Axial Oxygen Precipitation Uniformity in
Warpage and Oxygen Precipitate Distributions in

Corrosion of Passive Films on an Fe-17%Cr Alloy 1 111
Corrosion of Plasma-Deposited Silicon Nitride Films 7 1938
Corrosion of Reactor Wall Surfaces by WF6 10 2884
Corrosion of Titanium 3 636
Corrosion on the Composition of Pulse-Plated Cu-Ni Alloys 6 1509
Corrosion Resistance of Sputter-Deposited TbFeCo Thin Films in Aqueou 5 1190
Corrosion Resistance of Nb2O5 Films Formed by MOCVD 6 1659
Corrosion-Related Defects in Aluminum Using Positron Annihilation Spec 12 3361
CoSi2 Formation in Multilayer Co/Ti-Si(100) System 12 3480
Cost Schottky Barrier Solar Cells Fabricated on CdSe and Sb2S3 Films C 10 2871
Coupled Etch Reactor 11 3218
Couples and Its Role in Electromigration Lifetime 1 302
Covalent Binding of Pd Catalysts to Ligating Self-Assembled Monolayer Fi 1 210
Cr(110) Single-Crystal Surfaces 11 3016
Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Chlorid 10 2633
Cracking and Spalling of Oxide Scale from 304 Stainless Steel at High Te 5 1255
Created by Wafer Bonding 10 2829
Crevice Corrosion from Potential Measurements 2 358
Crevice Corrosion of Alloy 625 Mo 11 3006
Criteria for the Design of Organophosphine Precursors Decompositi 7 1886
Criteria for the Transition to Stable Pit Growth 11 3028
Cross Effect Between Ion and Electron Flows in Semiconducting CoO 10 2789
Cryogenic Applications 9 2522
Crystal Electrogravimetry with Controlled Hydrodynamics. Application to t 9 L103
Crystal Grown-in Defects on the Pause Tail Characteristics of Megabit Dy 7 1872
Crystal Light Valve Projection Display 11 3172
Crystal Microbalance to a Study of the Anodic Deposition of PbO2 and Bi- 3 652
Crystal Microbalance during Localized Corrosion 7 1838
Crystal Microbalance Investigation of a Poly(pyrrole)/Sulfated Poly(Beta-h 8 2004
Crystal Microbalance 10 2655
Crystal Originated Defects in Czochralski Silicon Using Nonagitated Secc 11 3273
Crystal Pulling and Its Impact on Device Failures 5 1398
Crystalline State of Electrodeposited Nickel-Phosphorus Coatings 1 294
Crystallinity and Photoluminescence in Stain-Etched Porous Si 3 674
Crystallinity during the Electrodeposition of Body-Centered Cubic Thalliu 9 2391
Crystallization Characteristics of Phosphorus-Doped Amorphous Silicon " 5 1392
Crystallographic Orientation of GaSb by Optical Reflectograms 8 2220
Crystallographic Structure of Zinc Foils Electrodeposited from Acid Zinc 10 2698
Crystals 7 1921
Crystals Accurate Evaluation Tech 5 1362
Crystals Irradiated with High Energy Electrons 12 3576
Crystals Using the S-Curve Concept 1 173
CsF-NH4F-HF Melts 6 1460
Cu Chemical Vapor Deposition Precursors on Silica. III. 12 3539
Cu Chemical Vapor Deposition Precursors on Silica. IV. 12 3547
Cu Contamination Using the Rapid Thermal Annealing Process 3 734
Cu Electrode under High Pressure. Factors that Determine the Product Sel 8 2097
Cu-Ni Alloys 6 1509
Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of CO2 Reduction 8 2054
Cu-Zn Alloys on the Electrocatalysis of CO2 Reduction Design of El 8 2054
Cu/CoSi2 Contacted p+n Shallow Junction with and without TiW Diffusion 10 2804
Cu/Ni Compositionally Modulated Multilayers 1 230
Cubic Centimeter A Czochralski Sil 8 2216
Cubic Thallium(III) Oxide onto Glassy Carbon 9 2391
CuInS2 with Lamellar Morphology. I. Efficient Photoanodes in Acidic Polyi 5 1095
CuInS2 with Lamellar Morphology. II. Photoelectrochemical Behavior of H 5 1100
CuInSe2 Thin Films Effects of Thermal and Ch 1 225
CuInSe2 Thin Films by a Two-Step Chemical-Vapor-Transport Process 2 558
CuO/ZnO Heterocontact 5 L53
Cupric Ammine 1 91
Current Collector of a Sodium-Selenium(IV) Molten Salt Battery 9 2413
Current Density 9 L130
Current Density of Oxide Cathodes in Molten Carbonates 7 1725
Current Density on a Line Electrode in the Presence of Tangential, Oscilla 10 2753
Current Distributions in Crevice Corrosion from Potential Measurements 2 358
Current Distribution in a Positive Current Collector of a Sodium-Selenium(9 2413
Current Electroluminescent Phosphor 9 2513
Current Noise Data Calcula 11 L155
Current of Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric 11 3114
Current-Voltage Data Solar Energy Conversion at the p-InP/Vanadi 8 2040
Current/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence for Hot Elec 12 3375
Curtains 10 2599
Curves Effect of Proton Diffusion, Electron Con 2 346
Curves at n-Si/SiO2/Pt Electrodes. Evidence for Hot Electron Reduction 12 3375
CuSe Thin Films Using N,N-Dimethylseleonurea 3 802
CVD Interconnection Formation by Doping 12 3494
CVD Freed from Chamber Cleaning 2 566
CVD of Silicon Dioxide Using TEOS and Ozone in a Single-Wafer Reactor 12 3462
CVD of Titanium Nitride Compounds by the Alternating Cyclic Method 4 1086
CVD of TEOS and O2 Microdefects in Ox 11 3154
CVD with SiH2Cl2 Growth Defect Observa 9 2567
Cyanoethylphosphine, Benzylphosphine, and Cyclopentylphosphine duri 7 1886
Cyclability of a Self-Doped Polyaniline 3 L26
Cyclic Method: A Thermodynamic Analysis 2 593
Cyclic Method A Thermodynamic Analysis 4 1086
Cyclic Voltammetry of the Uranyl Ion in Magnesium Chloride Electrolyte at 2 311
Cycling Efficiency with Pressurized Electrode Stack 3 611
Cycling Efficiency 9 2300
Cycling in a pH 3 Electrolyte 10 2682
Cycloaliphatic Epoxide-Based Photocured Gelled Electrolytes for Second 6 1414
Cyclopentylphosphine during InP MOCVD Growth Studied by FTIR Spect 7 1886
Cyclotron Resonance Source 1 255
Cyclotron Resonance Plasma Process Low Temperature 3 849
Cyclotron Resonance Plasmas Kinetics and Compositional Depend 11 3234
Cylindrical Alkaline Cells. V. High Discharge Rates 1 15
Cylindrical Alkaline Cells. VI. Variable Discharge Conditions 1 28
Cylindrical Alkaline Cells. VII. A Wound Cell Model 7 1751
Cylindrical Cell with Inductance Magnetic Field Effects in Hi 3 708
Cylindrical Conductor Magnetic Field Effe 3 703
Cylindrical Horizontally Revolving Electrodes for the Production of Condu 1 147
Cylindrical Trench Holes 9 2453
CZ Silicon Crystals Using the S-Curve Concept 1 173
CZ Silicon Wafers 7 1856

Morphology Change of Oxide Precipitates in
e Observation of Oxygen Precipitates in
er of 10^14 per Cubic Centimeter A
Characterization and Elimination of Defects in Oxide Layers Grown on
Development of an Electrochemical Oxygen Sensor for
Characterization of Crystal Originated Defects in
Determination of Sub-Parts per Billion Boron Contamination in N+

CZ Silicon during Two-Step Annealing 12 3588
CZ-Grown Si Wafers with a Phase Differential Scanning Optical Microscop 9 L120
Czochralski Silicon Growth Technique Which Reduces Carbon to the Ord 8 2216
Czochralski Silicon Substrates 9 2460
Czochralski Silicon Melts 9 2564
Czochralski Silicon Using Nonagitated Secco Etching 11 3273
Czochralski Silicon Substrates by SIMS 12 3453

— D —

Detection of
Plasma Induced
Effects of Low Dose Silicon, Carbon, and Oxygen Implantation
e Source Surface
Ion-Implanted Photoresist and
Contact. A Study Based on Differential Capacitance and Current-Voltage
esistance from Simultaneous Electrochemical Voltage and Current Noise
scharge Characteristics of CaxLa1-xCrO3 Thick-Film Cathodes for Use in
rolyte Method to Organic Electrochemistry. XVII. Indirect Electrochemical
Decomposition of Alkoxysilanes on the Surface of a Hot Wire-Study of
composition Mechanism
ctroscopy. Criteria for the Design of Organophosphine Precursors
etic Modeling On the Homogeneous Chemistry of the Thermal
High Temperature Deposition of SiO2 on Hot Wires by
tential Modulated-Microwave Measurements
Structures
Rapid Thermal Annealing of p-Type Silicon. Correlation Between
s in Silicon during Oxidation A Point
Hydrogen in Si CVD with SiH2Cl2 Growth
Si Substrates: A Correlation Between Carrier Lifetime and Etch-Induced
On the Formation of
Detection of Corrosion-Related
Characterization of Crystal Originated
The Effect of High Temperature Anneal on Electrical Stress-Generated
Characterization and Elimination of
hromium-Free Etch for Revealing and Distinguishing Metal Contamination

Silicon The Effects of Process-Induced
cess Memory Devices The Effect of the Crystal Grown-in
Lithium Ion Conductivity of A-Site
Codeposited Chromium-Aluminide Coatings. I.
In Situ Observation System for Silicon Wafer Transient
of Electrochemical Systems Tables of
on Polycrystalline Silicon Gate Oxide
Dielectrics
ectrodes Consisting of Metal and Oxidized Carbon Particles for Complete
emical Noise Analysis Evaluation of Coating
es Influence of Antimony on the Structure and the
sing ZnS Microcrystallite as a Photocatalyst in the Presence of Methanol
Transition Metal Nitride, Li7MnN4 Li
lectrochemical Reduction of Liquid CO2. Drastic Enhancement of Current
The Exchange Current
d Flow Limiting Current
Global Model of Plasma Chemistry in a High
Electrolyte Cell
ed Silicon The Annealing Time and Temperature
n Oxide/Silicon Junction Solar Cells on Spray Solvents
Lithium/Propylene Carbonate Interface: Temperature and Concentration
Deposition Parameters The
on Oxygen Partial Pressure
ys Mg Content
lectron Cyclotron Resonance Plasmas Kinetics and Compositional
Deposition from Unbuffered Aqueous Solutions I. Deposition Process and
gle Incident Ellipsometry Measurement on Low Pressure Chemical Vapor
Thermally
dence on the Microwave Power and SiH4/N2 Flow Ratio of Silicon Nitride
Nucleation of In Situ Phosphorus-Doped Amorphous Silicon Films
Electrical Characteristics of Zinc Sulfide Thin Films
Electro-Optical Characterization of Sulfur-Annealed Chemical-Bath
Control of Magnetic Properties of Chemically
Electrochemically
The Influence of Thermal Treatments on the Adhesion of Electrolessly
EOS and O2 Microdefects in Oxide Films
sical and Electrical Characteristics of Thin Silicon Nitride Dielectric Films
anide Morphological Structure of Silicon Carbide, Chemically Vapor
Deposition and Properties of Low-Pressure Chemical-Vapor
xamination of Structure and Growth Rate of Metalorganic Chemical Vapor
The Dependence of the Stress Chemical Vapor
ttky Barrier Solar Cells Fabricated on CdSe and Sb2S3 Films Chemically
Interfacial Diffusion of Metal Atoms during Air Annealing of Chemically
ectrochromic Property of Nickel Hydroxide Thin Films Prepared by Anodic
Metal Fluoride Thin Films Prepared by Atomic Layer
ance Solid Oxide Fuel Cell Cathode Fabricated by Electrochemical Vapor
) Silicon Epitaxial Growth by Confined Plasma Enhanced Chemical Vapor
Chlorine-Activated Diamond Chemical Vapor
erties of Tungsten Trioxide Thin Films Prepared by Photochemical Vapor
cs of Nitride Wafers in Aqueous Solutions and their Impact on Particulate
s Transport and Profile Evolution in Nonplanar Substrate Chemical Vapor
The Initial Growth Mechanism of Silicon Oxide by Liquid-Phase
m Properties of Selective Titanium Silicide Low-Pressure Chemical Vapor
in Semi-Insulating Fe-Doped InP Grown by Metalorganic Chemical Vapor
tudy of Disilane Pyrolysis: Applications to Low Pressure Chemical Vapor
(100) Oriented Poly-Si Film Grown by Ultrahigh Vacuum Chemical Vapor
mic Properties of Niobium Oxide Thin Films Prepared by Chemical Vapor
e Films Prepared by Hydrogen Radical-Assisted Plasma Chemical Vapor
tion from Chlorosilanes. II. Numerical Analysis of Thermofluid Effects on
Properties of Tungsten Trioxide Thin Films Prepared by Chemical Vapor
Ligating Self-Assembled Monolayer Films for Selective Electroless Metal
Plasma-Assisted Chemical Vapor
ytes Studies on
lycrystalline Silicon-Germanium Films

Effects of
Kinetics of SiO2

D2O in Water Isotopes Using a High Temperature Protonic Conductor 9 L125
Damage in a Planar Inductively Coupled Etch Reactor 11 3218
Damage on Diffusion of Phosphorus in Silicon 12 3516
Damage on GaAs Etched Using a Multipolar Electron Cyclotron Resonanc 1 255
Damage-Free Stripping 1 192
Data Solar Energy Conversion at the p-InP/Vanadium3+/2+ Semico 8 2040
Data Calculation of Noise R 11 L155
DC-Type Plasma Display Panels Effect of Calcium Content on the D 4 880
Debromination Using Viologens as Microscopic Phase-Transfer Mediators 10 2579
Decomposition Mechanism 2 542
Decomposition of Alkoxysilanes on the Surface of a Hot Wire-Study of De 2 542
Decomposition of Cyanoethylphosphine, Benzylphosphine, and Cyclopen 7 1886
Decomposition of Methyltrichlorosilane. Thermodynamic Analysis and Kin 6 1599
Decomposition of Tetraethoxysilane 2 514
Deconvolution of the Impedance of the Silicon/Electrolyte Interface by Po 12 L171
Deep and Shallow Electron Trapping in the Buried Oxide Layer of SIMOX 10 2801
Deep-Level Transient Spectroscopy and Lifetime Measurements 3 754
Defect Based Two-Dimensional Model of the Evolution of Dislocation Loop 3 759
Defect Observation with Pyramidal Hillock and Reduction by Photoexcited 9 2567
Defect States Effect of Plasma Etching Edge-Type Exposures on 11 3230
Defects and Morphology during Chemical Vapor Deposition of Tungsten 8 2193
Defects in Aluminum Using Positron Annihilation Spectroscopy 12 3361
Defects in Czochralski Silicon Using Nonagitated Secco Etching 11 3273
Defects in Metal Oxide Semiconductor Structures 8 2140
Defects in Oxide Layers Grown on Czochralski Silicon Substrates 9 2460
Defects in Silicon C 10 2821
Defects Induced in p-Type Silicon by Photocathodic Charging of Hydrogen 6 1539
Defects on the Chemical Selectivity of Highly Doped Boron Etch Stops in 1 178
Defects on the Pause Tail Characteristics of Megabit Dynamic Random Ac 7 1872
Deficient Perovskite Solid Solution La0.67-xLi3xTiO3 7 L78
Definition of the Codeposition Regimes 6 1464
Deformation during Insertion/Withdrawal into/from Horizontal Furnaces 5 1299
Degenerate Electrical Networks for Use in the Equivalent-Circuit Analysis 7 1823
Degradation Caused by Anomalous Oxidation of BF2 Ion Implanted MoSi2 9 2552
Degradation of Alpha-Si/Co/SiO2/Si Structure during Furnace Annealing 7 1931
Degradation of Trichloroethylene in Acetonitrile Composite El 6 1522
Degradation with Electrochemical Impedance Spectroscopy and Electroch 9 2332
Degree of Hydration of the Anodic PbO2 Layer Formed on Pb-Sb Electrod 9 2316
Dehydrogenase Photochemical Reduction of Carbon Dioxide to Met 6 1498
Deintercalation-Intercalation Reaction and Structural Change in Lithium 11 2966
Density E 9 L130
Density of Oxide Cathodes in Molten Carbonates 7 1725
Density on a Line Electrode in the Presence of Tangential, Oscillating Flui 10 2753
Density Oxygen Discharge 6 1548
Deoxidation of Molten Metals by Short Circuiting Yttria-Stabilized Zirconia 2 467
Dependence of Electrical Dopant Activation in High-Dose BF2 Ion Implant 11 3158
Dependence of Photovoltages of Spray-Deposited Indium Tin Oxide/Silico 5 1357
Dependence of Physicochemical Parameters Microelectrode Study 11 3053
Dependence of the Stress Chemical Vapor Deposited Tungsten Films on 3 843
Dependence of the Kinetics of Electrochemical Vapor Deposition of CeO2 5 1261
Dependence of the Electromigration Resistance of Fine-Grained Al-Si Allo 10 2857
Dependence on the Microwave Power and SiH4/N2 Flow Ratio of Silicon 11 3234
Deposit Structure Effects of Oxygen Reduction on Nickel 8 2030
Deposited Amorphous Silicon and Polysilicon Multiple-An 8 2146
Deposited Amorphous Silicon 8 2166
Deposited by Electron Cyclotron Resonance Plasmas Kinetics and 11 3234
Deposited by Pyrolysis of Si2H6 and PH3 5 1365
Deposited by Various Methods 5 1320
Deposited CdS Films 11 3238
Deposited Cobalt Nickel Phosphorus Films by Electrolysis 9 2386
Deposited Diffusion Barriers 7 1843
Deposited Ni(P) Layers on Alumina Ceramic 3 816
Deposited on Featured Surfaces of VLSI Substrates by Thermal CVD of T 11 3154
Deposited on Smooth and Rugged Polycrystalline Silicon after Rapid Ther 4 1066
Deposited on Titanium Carbide Using Ethylene, Carbon Tetrachloride, an 3 771
Deposited Polycrystalline Silicon-Germanium Films 8 2235
Deposited Ta2O5 Films on Si(100) Ellipsometric E 3 853
Deposited Tungsten Films on Deposition Parameters 3 843
Deposited with Silicotungstic Acid Low Cost Scho 10 2871
Deposited ZnS-CuS and PbS-CuS Thin Films 9 2536
Deposition Enhanced El 12 3439
Deposition 5 1278
Deposition High Perform 7 1928
Deposition The Kinetics of Very Low Temperature (300 C 12 3584
Deposition 11 3246
Deposition Electrochromic Prop 9 2435
Deposition Electrokinetic Characteristi 9 2465
Deposition Simulation of Rarefied Ga 9 2545
Deposition 11 3214
Deposition Reaction and Fil 7 1879
Deposition Fe Incorporation and Precipitation 1 242
Deposition Gas-Phase Reaction S 8 2135
Deposition 10 2848
Deposition Electrochro 10 2868
Deposition C-V Characteristics of Amorphous Silicon Nitrid 3 742
Deposition Si Depos 8 2078
Deposition Electrochromic 4 1021
Deposition Covalent Binding of Pd Catalysts to 1 210
Deposition and Characterization of Boron Nitride Films 6 1633
Deposition and Dissolution Processes of PbO2 in Perchloric Acid Electrol 8 1998
Deposition and Properties of Low-Pressure Chemical-Vapor Deposited Po 8 2235
Deposition and Ion Scattering on Profile Control in Submicron Oxide Etch 10 2904
Deposition from Tetraethylorthosilicate 7 1943

Deposit Structure Effects of Oxygen Reduction on Nickel
Si
cts on Deposition Si
Wafer Temperature Profile in a Multiwafer Low Pressure Chemical Vapor
Oxygen Incorporation during Low Temperature Chemical Vapor
Electrochemical Diagnostic of Bright Tin
Remote H2 Plasma Preparation and
Si Deposition from Chlorosilanes. I.
Dependence of the Kinetics of Electrochemical Vapor
Electroless
mical Microscope
an Electrochemical Quartz Crystal Microbalance to a Study of the Anodic
A Predictive Model for the Chemical Vapor
Effects of SiH4, GeH4, and B2H6 on the Nucleation and
High Temperature
Analysis Selective Area Chemical Vapor
pinging Jet Reactor. Simulation and Experiments Chemical Vapor
Ultraviolet-Induced
The Effects of Organic Adsorbates on the Underpotential and Bulk
Mass Spectrometric and Kinetic Study of Low-Pressure Chemical Vapor
Effect of Carrier Gases on the Chemical Vapor
Cyclotron Resonance Plasma Process Low Temperature
Synchronously Excited Discrete Chemical Vapor
On the Formation of Defects and Morphology during Chemical Vapor
ide Nucleation on SiO2 during the Selective Chemical Vapor
olyte Electrochemical
Chemical Bath
Use of Underpotential
Particle
Morphological Structure of Silicon Carbide Grown by Chemical Vapor
Dependence of the Stress Chemical Vapor Deposited Tungsten Films on
TIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor
TIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor
Electroless Copper
en Reduction on Nickel Deposition from Unbuffered Aqueous Solutions I.
Enhancement of the Reactive
ne and Hydrogen in an Ultrahigh Vacuum Rapid Thermal Chemical Vapor
hin Film Transistors Effects of Plasma-Enhanced Chemical Vapor
A Kinetic Study of Titanium Nitride Chemical Vapor
l Properties and Growth Mechanism of Oxide (SiO2-xFx) by Liquid Phase
nzenesulfonic Acid on IrO2-Coated Titanium Electrode Polyaniline
Electrochemical Oxidation of 4,5-Dihydro-1,2,4-triazin-6-one
olyte Cells The Behavior of Carbon Electrodes
ne-Fuel-Cell Cathodes Using a Potentiostatic-Galvanostatic Experimental
Rotating Disk Studies in Molten Carbonates. I. Electrode
e in the Polysilicon Doping Process Using POCl3 A Novel Reactor
mperature in Glass-Corrosive Media (Molten Carbonate at 650 C)
Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of CO2 Reduction
uring InP MOCVD Growth Studied by FTIR Spectroscopy. Criteria for the
An Oxynitride ISFET Modified for Working in a Differential Mode for pH
ilation Spectroscopy
onductor
Contamination
on Studies of Aluminum on Tungsten Electrode from DMSO2 Electrolytes.
uctors by Metal Oxide Semiconductor Measurements
On the Emergence and Spacing of Zinc Striations. I.
alski Silicon Substrates by SIMS
y Electromotive Force Method
Chromites by Means of Electrical Conductivity Relaxation Precise
ectograms Chemical Etching Solution for the
al Reduction of CO2 on a Cu Electrode under High Pressure. Factors that
ay Phosphor
derlayers The
n Melts
n and Overpotential for Galvanostatic Discharge of Hydride Electrodes. I.
Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure
of the Gate Oxide Integrity by Modifying Crystal Pulling and Its Impact on
inescence of Cerium-Activated Alkaline Earth Thiogallate Thin Films and
Widegap Column-III Nitride Semiconductors for UV/Blue Light Emitting
Pause Tail Characteristics of Megabit Dynamic Random Access Memory
A Novel Synthetic Route to Nb2O5 Thin Films for Electrochromic
Optimization Study of Solid-State Electrochromic
Silicon-On-Insulator
An Isoplanar Isolation Technology for SiC
tion The First Stages of
NiP/Sn Multilayers Electrochemical
Gas-Phase Precursors to
Chlorine-Activated
tterned Electrical Conductance and Electrode Formation in Ion-Implanted
of Gas Ambient on the Resistance of BF2+ Ion-Implanted Polycrystalline
Diamond Resistors Fabricated Monolithically on
captibility to Surface Corrosion in Acidic Fluoride Media: A Comparison of
Theoretical Aspects for Low Pressure
A New Hydrogen Sensor Using a Polycrystalline
Chemically Amplified Resists Using 1,2-Naphthoquinone
ation Physical and Electrical Characteristics of Thin Silicon Nitride
Anodic Oxide Films as a Gate
Agent into NH4OH-H2O2 Solution Thin-Oxide
of the N2O Furnace Oxynitride Process for the Formation of Thin Tunnel
Thin Film Transistors with Graded SiNx Gate
Annealing
nP/Vanadium3+/2+ Semiconductor/Electrolyte Contact. A Study Based on
An Oxynitride ISFET Modified for Working in a
Observation of Oxygen Precipitates in CZ-Grown Si Wafers with a Phase
Electrochemically Deposited
3% Ti-Tungsten
ability of Cu/CoSi2 Contacted p+n Shallow Junction with and without TiW
sten Electrode from DMSO2 Electrolytes. Determination of Al(III) Species
ical Conductivity Relaxation Precise Determination of the Chemical
Rotating Disk Studies in Molten Carbonates. III.

Deposition from Unbuffered Aqueous Solutions I. Deposition Process and 8 2030
Deposition from Chlorosilanes. I. Deposition Modeling 8 2072
Deposition from Chlorosilanes. II. Numerical Analysis of Thermolluid Effe 8 2078
Deposition Furnace Modeling the 1 161
Deposition Growth of Epitaxial Silicon Films 5 1284
Deposition in View of the Electrolytic Synthesis of NiP/Sn Multilayers 2 397
Deposition Mechanism of a-SiC:H Films by Using Hexamethyldisilane in a 10 2910
Deposition Modeling 8 2072
Deposition of Carbonaceous Films onto Internal Walls of Tubes 2 374
Deposition of CeO2 on Oxygen Partial Pressure 5 1261
Deposition of Electrodes in Solid-Oxide Fuel Cells 8 L94
Deposition of Fluorinated a-SiC Films at Room Temperature 12 3562
Deposition of Nickel Hydroxide Structures Using the Scanning Electroche 4 995
Deposition of PbO2 and Bi-PbO2 Films on Gold Electrodes Applica 3 652
Deposition of Polysilicon in a Cold Wall, Rapid Thermal System 6 1658
Deposition of Polycrystalline Si1-xGex Films 9 2559
Deposition of SiO2 on Hot Wires by Decomposition of Tetraethoxysilane 2 514
Deposition of Silicon by the Alternating Cyclic Method: A Thermodynamic 2 593
Deposition of Silicon from Disilane under Reduced Pressure in a Circular 3 824
Deposition of SiO2 Film from Tetraethoxysilane Spin-Coated on Si 6 1556
Deposition of Silver on Polycrystalline Platinum Electrodes 12 3394
Deposition of Si3N4 Thin Films from SiH2Cl2 and NH3 12 3505
Deposition of Tungsten from WF6-SiH4 2 475
Deposition of TiN Using Tetrakis(dimethylamido)-Titanium in an Electron 3 849
Deposition of Ta2O5 5 1339
Deposition of Tungsten 8 2193
Deposition of Tungsten by the Hydrogen Reduction of Tungsten Hexafluor 12 3532
Deposition of Uniform Lithium on an Ni Substrate in a Nonaqueous Electr 9 L106
Deposition of ZnSe and CuSe Thin Films Using N,N-Dimethylselenourea 3 802
Deposition of Zinc to Mitigate Hydrogen Absorption into Monel K500 5 1220
Deposition on Silicon Wafers during Wet Cleaning Processes 6 1654
Deposition on Titanium Carbide Using Silane and Ethylene 3 755
Deposition Parameters The 3 843
Deposition Precursors on Silica. III. F 12 3539
Deposition Precursors on Silica. IV. F 12 3547
Deposition Process Using Glyoxylic Acid as a Reducing Agent 3 730
Deposition Process and Deposit Structure Effects of Oxyg 8 2030
Deposition Rate of TiN Films at Low Nitrogen Content 1 L8
Deposition Reactor Growth Kinetics, Silicon Nucleation on Silicon 11 3269
Deposition Substrate Heating on the Electrical Properties of Alpha-Si:H T 4 1040
Deposition Using Nitrogen, Hydrogen, and Titanium Tetrachloride 3 787
Deposition with H2O Addition Only The Physicochemica 11 3177
Derivative with External and Internal Doping via Electrochemical Copolym 10 2624
Derivatives at Carbon Electrode in Acetonitrile 9 2283
Derived from Poly(p-phenylene) in Polyacrylonitrile-Based Polymer Electr 11 L143
Design Wetting-in Studies on Alkali 6 1503
Design 3 619
Design Configuration for Contamination Control and Improved Performanc 8 2257
Design of a Gold Ultramicroelectrode for Voltammetric Studies at High Te 8 2015
Design of Electrocatalyst for CO2 Reduction. V. Effect of the Microcrystall 8 2054
Design of Organophosphine Precursors Decomposition of Cyanoeth 7 1886
Detection 2 535
Detection of Corrosion-Related Defects in Aluminum Using Positron Annih 12 3361
Detection of D2O in Water Isotopes Using a High Temperature Protonic C 9 L125
Determination for Silicon Carbide Cantilever Forks in Diffusion Furnaces 5 1304
Determination of Al(III) Species Diffusion Coefficients Electrodepos 2 378
Determination of Generation Lifetime in Trap-Rich and Layered Semicond 8 2151
Determination of Preferred Striation Frequency 6 1477
Determination of Sub-Parts per Billion Boron Contamination in N+ Czochr 12 3453
Determination of Thermodynamic Properties of Ternary Al-Cu-Zn Alloys b 4 927
Determination of the Chemical Diffusion Coefficient of Calcium-Doped La 5 1268
Determination of the Crystallographic Orientation of GaSb by Optical Refl 8 2220
Determine the Product Selectivity Electrochemic 8 2097
Development for Alpha-Silicon Liquid Crystal Light Valve Projection Displ 11 3172
Development of an Anisotropic Si Etch Process Selective to GexSi1-x Un 2 507
Development of an Electrochemical Oxygen Sensor for Czochralski Silico 9 2564
Development of the Model Hydrogen Surface Concentratio 8 2108
Device Fabrication Citric 12 3526
Device Failures Improvement 5 1308
Devices Electroluminescence and Photolum 10 2877
Devices 8 2266
Devices The Effect of the Crystal Grown-in Defects on the 7 1872
Devices 3 L29
Devices Based on WO3/Lithium-Polymer Electrolyte/V2O5 Structures 10 2795
Devices for High Voltage and Power IC Applications 7 1983
Devices Using Local Oxidation 8 2188
Dezincification of Freshly Generated Brass Surfaces in Sulfuric Acid Solu 4 912
Diagnostic of Bright Tin Deposition in View of the Electrolytic Synthesis of 2 397
Diamond and the sp2 Carbon Impurity 8 2161
Diamond Chemical Vapor Deposition 11 3246
Diamond Films Pa 4 L41
Diamond Film The Effect 1 291
Diamond Film Substrate 12 3522
Diamond, HOPG, and Glassy Carbon Electrodes The Sus 12 3382
Diamond Resistors Fabricated Monolithically on Diamond Film Substrate 12 3522
Diamond Syntheses 1 278
Diamond-Based Schottky Diode 8 2231
Diazide-4-Sulfonates as Photoacid Generators 11 3141
Dielectric Films Deposited on Smooth and Rugged Polycrystalline Silicon 4 1066
Dielectric for a Thin Film Transistor 5 1325
Dielectric Strength Improvement by Adding a Phosphonic Acid Chelating 10 L139
Dielectrics Uniformity 12 3500
Dielectrics 4 1061
Dielectrics Degradation of Alpha-Si/Co/SiO2/Si Structure during Furnace 7 1931
Differential Capacitance and Current-Voltage Data Solar Energy C 8 2040
Differential Mode for pH Detection 2 535
Differential Scanning Optical Microscope 9 L120
Diffusion Barriers 7 1843
Diffusion Barriers. I. A Discussion of the Role of the A15 Structure 7 1867
Diffusion Barrier Thermal St 10 2804
Diffusion Coefficients Electrodeposition Studies of Aluminum on Tu 2 378
Diffusion Coefficient of Calcium-Doped Lanthanum Chromites by Means o 5 1268
Diffusion Coefficient and Bulk Concentration in Lithium Carbonate 9 2338

el Hydroxide Discharge Curves Effect of Proton
Shallow Boron-Doped Layer Formation by Boron
Contamination Determination for Silicon Carbide Cantilever Forks in
nergy An Investigation of Phosphorus Transient
Oxidation-Enhanced
Enhanced
S-CuS and PbS-CuS Thin Films Interfacial
ffects of Low Dose Silicon, Carbon, and Oxygen Implantation Damage on
Effect of Ion Energy on the
The Use of Anodic Oxide Films to Control the
Layer-Built Structure Fabricated by Sol-Gel Process Effect of Gas
Local Etch-Rate Control of Masked InP/InGaAsP by
AC Impedance at Redox-Polymer Modified Electrodes. Effects of
Gas Analysis Dynamic
In Situ Spectroscopic Ellipsometry Nanoscale
Electrochemical Reduction of 1,3-Dihalopropanes at Carbon Cathodes in
Electrochemical Reduction of 1,5-Dihalopentanes at Carbon Cathodes in
New Hydrogen Sensor Using a Polycrystalline Diamond-Based Schottky
Incorporation of Impurity Metal Ions in Electrolytic Manganese
eries Electrochemical Synthesis of Composite Films of Manganese
r Deposition Reactor Growth Kinetics, Silicon Nucleation on Silicon
Iron(II) Complexes Electrochemical Reduction of Carbon
sfer Reactions. Oxidation of Phenol and Benzene at Bismuth-Doped Lead
uence of Polarization Time and Temperature on the Adsorption of Carbon
Hydrofluoric Acid Etching of Silicon
Hydrofluoric Acid Etching of Silicon
e of Methanol Dehydrogenase Photochemical Reduction of Carbon
Modeling of CVD of Silicon
Synthesis of Hollandite-Type Manganese
A Comparative Study of the Electrochemical Properties of
A Kinetics Study of the Bond Strength of
SiC Silicon-On-Insulator Structures by
Factors Affecting the Conductivity of Copper-Coated
Phosphorus
plications CdZnTe on Si(001) and Si(112):
Materials with a Buried C60 Layer Produced by
Global Model of Plasma Chemistry in a High Density Oxygen
ional Thermal Modeling of Lithium-Polymer Batteries under Galvanostatic
DC-Type Plasma Display Panels Effect of Calcium Content on the
Modeling of Cylindrical Alkaline Cells. VI. Variable
ctron Conductivity, and Charge-Transfer Resistance on Nickel Hydroxide
Hydrogen Surface Concentration and Overpotential for Galvanostatic
Hydrogen Surface Concentration and Overpotential for Galvanostatic
Theoretical Analysis of the
Modeling of Cylindrical Alkaline Cells. V. High
Synchronously Excited
3% Ti-Tungsten Diffusion Barriers. I. A
netics, Silicon Nucleation on Silicon Dioxide, and Selective Epitaxy Using
on Gas-Phase Reaction Study of
lation and Experiments Chemical Vapor Deposition of Silicon from
d Pyrolyzed Cobalt Phthalocyanine A Correlative Study Between Rotating
erate Model to Study Oxygen Reduction on Thin Porous Coating Rotating
The Influence of Methanol on O2 Electroreduction at a Rotating Pt
Rotating
Rotating
centration in Lithium Carbonate Rotating
A Point Defect Based Two-Dimensional Model of the Evolution of
ntegrated Circuits Source/Drain
Activity and Stability of Ordered and
Ionic Conductivity in Ordered and
phor Development for Alpha-Silicon Liquid Crystal Light Valve Projection
ristics of CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Type Plasma
remely Low Concentration A Study of the
ne The
e Interaction Selected
On the Electrical Impedance Due to the Anodic
Studies on Deposition and
Initial Events during the Passivation of Rapidly
Chromium-Free Etch for Revealing and
en Salt Battery Current
Metal
An Approach for Estimating Anodic Current
Warpage and Oxygen Precipitate
Prediction of Ion Energy and Angular
Electrodeposition Studies of Aluminum on Tungsten Electrode from
The Annealing Time and Temperature Dependence of Electrical
Enhanced Diffusion of
Blue Photoluminescence from CeCl3
Effects of Process-Induced Defects on the Chemical Selectivity of Highly
Physical Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of
Oxidation-Enhanced Diffusion of Boron and Phosphorus in Heavily
Oxide Ionic Conductivity of
Shallow n+ Junctions in Silicon by Arsenic Gas-Phase
In Situ Ellipsometry Substrate
: Al-Cu CVD Interconnection Formation by
Oxidation of 6H-SiC as a Function of
Phosphorus Direct
n for Contamination Control and Improved Performance in the Polysilicon
itanium Electrode Polyaniline Derivative with External and Internal
hosphorus in Silicon Effects of Low
0) Electrode
olid Polymer Electrolytes Containing Alkylammonium Salts Electric
rganic Liquid Electrolytes Based on Quaternary Onium Salts for Electrical
High Ammonia Sensitive Semiconductor Gas Sensors with
n Oxides
Electrochemical Reduction of Liquid CO2.
Electrochemical Enthalpy of Activation. The Reduction of Bromate at the
Low Temperature Chlorine-Based
Prediction of Ion Energy and Angular Distributions in Single and
Simulation and Optimization of the

Diffusion, Electron Conductivity, and Charge-Transfer Resistance on Nick 2 346
Diffusion from Poly-Si Through Thin SiO2 6 1702
Diffusion Furnaces 5 1304
Diffusion in Silicon below the Solid Solubility Limit and at a Low Implant E 8 2182
Diffusion of Boron and Phosphorus in Heavily Doped Layers in Silicon 4 1074
Diffusion of Dopants at Concentrations near the Solubility Limit 12 3593
Diffusion of Metal Atoms during Air Annealing of Chemically Deposited Zn 9 2536
Diffusion of Phosphorus in Silicon E 12 3516
Diffusion of Si Implanted into GaAs 8 2245
Diffusion of Zinc in GaAs 6 1639
Diffusion Process on Sensing Properties of SnO2 Thin Film Sensors in a 1 220
Diffusion-Limited Etching 7 1954
Dilute and Highly Resistive Bathing Electrolytes 10 2722
Dilution Calibration System for Calibrating Analytical Instruments Used in 1 184
Dimensional Changes and Optical Properties of Polyaniline Measured by 4 859
Dimethylformamide 4 990
Dimethylformamide 12 3316
Diode A 8 2231
Dioxide 8 2035
Dioxide and Polypyrrole and Their Properties as an Active Material in Lithi 1 10
Dioxide, and Selective Epitaxy Using Disilane and Hydrogen in an Ultrahi 11 3269
Dioxide at Dual-Film Electrodes Modified With and Without Cobalt(II) and 2 419
Dioxide Electrodes in Acidic Solutions Electrocatalysis of Anodic O 12 3404
Dioxide on Platinum Infl 1 L4
Dioxide Sacrificial Layers. I. Experimental Observations 1 264
Dioxide Sacrificial Layers. II. Modeling 1 270
Dioxide to Methanol Using ZnS Microcrystallite as a Photocatalyst in the 6 1498
Dioxide Using TEOS and Ozone in a Single-Wafer Reactor 12 3462
Dioxide with H+ Form for Lithium Rechargeable Battery 10 L135
Dip-Coated, Spun and Organic Langmuir-Blodgett Films of Polyaniline 6 1573
Direct Bonded Wafers 11 3225
Direct Carbonization Conversion and Postgrowth from Silacyclobutane 6 L66
Direct Current Electroluminescent Phosphor 9 2513
Direct Doping from Vapor Phase into Silicon for Shallow Junctions 8 2241
Direct MBE Growth for Large-Area HgCdTe Infrared Focal-Plane Array Ap 10 2888
Direct Nickel Plating on Aluminum Substrate for Microbump Formation 7 1791
Direct Wafer Bonding 10 L137
Discharge 6 1546
Discharge and Dynamic Power Profile Three-Dimens 11 2947
Discharge Characteristics of CaxLa1-xCrO3 Thick-Film Cathodes for Use i 4 880
Discharge Conditions 1 28
Discharge Curves Effect of Proton Diffusion, Ele 2 346
Discharge of Hydride Electrodes. I. Development of the Model 8 2108
Discharge of Hydride Electrodes. II. Quantitative Numerical Calculations 8 2113
Discharge Performance of a NiOOH/H2 Cell 1 54
Discharge Rates 1 15
Discrete Chemical Vapor Deposition of Ta2O5 5 1339
Discussion of the Role of the A15 Structure 7 1867
Disilane and Hydrogen in an Ultrahigh Vacuum Rapid Thermal Chemical V 11 3269
Disilane Pyrolysis: Applications to Low Pressure Chemical Vapor Depositi 8 2135
Disilane under Reduced Pressure in a Circular Impinging Jet Reactor. Sim 3 824
Disk and Solid Polymer Electrolyte Fuel-Cell Electrodes Electrocata 1 41
Disk Electrode Application of the Flooded-Agglom 2 431
Disk Electrode in Acid Electrolyte 7 1770
Disk Studies in Molten Carbonates. I. Electrode Design 3 619
Disk Studies in Molten Carbonates. II. Meniscus and Film Effects 3 622
Disk Studies in Molten Carbonates. III. Diffusion Coefficient and Bulk Con 9 2338
Dislocation Loops in Silicon during Oxidation 3 759
Dislocations and Electrical Leakage in Titanium-Salicided Silicon CMOS I 7 1957
Disordered Co-Pt Alloys for Phosphoric Acid Fuel Cells 10 2659
Disordered Phases of Plastic Crystals 7 1921
Display Phos 11 3172
Display Panels Effect of Calcium Content on the Discharge Charact 4 880
Dissociation State and the SiO2 Etching Reaction for HF Solutions of Ext 2 366
Dissolution Behavior of Silver in Ammoniacal Solutions with Cupric Ammi 1 91
Dissolution of Aluminum Initiated by Atomic Force Microscope Tip-Surfac 4 L43
Dissolution of Silicon in HF Solutions 3 697
Dissolution Processes of PbO2 in Perchloric Acid Electrolytes 8 1998
Dissolving Aluminum Surfaces 6 1453
Distinguishing Metal Contamination Defects in Silicon 10 2821
Distribution in a Positive Current Collector of a Sodium-Selenium(IV) Molt 9 2413
Distribution in Jet Plating 3 691
Distribution of Photoresist over GaAs Mesa Structures 2 576
Distributions in Crevice Corrosion from Potential Measurements 2 358
Distributions in CZ Silicon Wafers 7 1856
Distributions in Single and Dual Frequency Plasmas 5 1313
DMSO2 Electrolytes. Determination of Al(III) Species Diffusion Coefficient 2 378
Dopant Activation in High-Dose BF2 Ion Implanted Silicon 11 3158
Dopants at Concentrations near the Solubility Limit 12 3593
Doped Al2O3 Films 10 2860
Doped Boron Etch Stops in Silicon The 1 178
Doped CeO2 8 2122
Doped Layers in Silicon 4 1074
Doped NdAlO3 Perovskite-Type Oxides 12 3444
Doping 5 1378
Doping and Microroughness Effects in RTP Temperature Measurement by 3 737
Doping Chemical-Vapor-Deposition Aluminum with Copper Simultaneously 12 3494
Doping Concentration and Temperature 8 2262
Doping from Vapor Phase into Silicon for Shallow Junctions 8 2241
Doping Process Using POCl3 A Novel Reactor Design Configuratio 8 2257
Doping via Electrochemical Copolymerization of Aniline and 2,5-Diaminob 10 2624
Dose Silicon, Carbon, and Oxygen Implantation Damage on Diffusion of P 12 3516
Double Layer Effects Associated with Surface Reconstruction on an Au(10 3 L30
Double-Layer Capacitor Composed of Activated Carbon Fiber Cloth Electr 7 1730
Double-Layer Capacitors Electrochemical Properties of O 11 2989
Double-Layer Structure and Interface Electrodes 4 1028
Double-Solid Electrochemical Cell for Controlling Oxygen Concentration i 6 1533
Drastic Enhancement of Current Density 9 L130
Dropping Mercury Electrode in Alkaline Solutions Negative Appare 5 1183
Dry Etching of III-V Semiconductors 8 2250
Dual Frequency Plasmas 5 1313
Dual Intercalating Molten Electrolyte Batteries 7 L73
Dual Lithium Ion Insertion Cell 1 1

rs
A Novel Aqueous
mplexes Electrochemical Reduction of Carbon Dioxide at
llen with Lithium Salt Solutions Ionic Conductivity of
m Acid Zinc Sulfate Solutions
Used in Gas Analysis
odeling of Lithium-Polymer Batteries under Galvanostatic Discharge and
he Crystal Grown-in Defects on the Pause Tail Characteristics of Megabit
om Peroxo-Polymolybdate Solution Coloration

lectroluminescence and Photoluminescence of Cerium-Activated Alkaline
etime and Etch-Induced Defect States Effect of Plasma Etching
Evaluation of an
Effect of Additives on Lithium Cycling
Influence of Impurities on the Luminescence Quantum
Influence of Electrolyte on Lithium Cycling
CuInS2 with Lamellar Morphology. I.
lodgett Layer of Ultrafine Platinum Particles and Its Application to n-Si for
e Modified with Colloidal Platinum Particles
s and Solid Polymer Electrolytes Containing Alkylammonium Salts
Magnetic Field Effects in High-Power Batteries. I. The Penetration of an
Sulfate Pyrolysis
on
Polycrystalline Silicon after Rapid Thermal Nitridation Physical and
Methods
N2O Effects of Oxide Thickness and Oxidation Parameters on the
d Films Patterned
Changes Produced by Cathodic Polarization in the

iffusion Coefficient of Calcium-Doped Lanthanum Chromites by Means of
The Annealing Time and Temperature Dependence of
rties of Organic Liquid Electrolytes Based on Quaternary Onium Salts for
miconductor Capacitors Numerical Calculations of the
ons On the
Source/Drain Dislocations and
cessed Ti Films in NH3 A Study of
emical Systems Tables of Degenerate
f Plasma-Enhanced Chemical Vapor Deposition Substrate Heating on the
NH4OH Solutions
The Role of Oxygen Reduction in
ures The Effect of High Temperature Anneal on
The Profile of
sited CdS Films
arbon Electrodes with Several Functional-Group Characteristics
Temperature-Dependent Methanol
lt A Silane-Based
trodes An
e
ne at Bismuth-Doped Lead Dioxide Electrodes in Acidic Solutions
ffect of the Microcrystalline Structures of Cu-Sn and Cu-Zn Alloys on the
d Cu-Zn Alloys on the Electrocatalysis of CO2 Reduction Design of
A Study of Bismuth Ruthenate as an
2% Platinum-H2WO4 Based
Life Tests of Carbon-Supported Pt-Cr-Cu
Rotating Disk and Solid Polymer Electrolyte Fuel-Cell Electrodes
ion and Glucose Hydrogenation on Raney Nickel Powder The
-Through Reactor Model The
in Alkaline Medium
atinum in Acid Media Microstructural Effects on
y-Oxide in Solid-Polymer-Electrolyte Fuel Cells Improved
A Novel Synthetic Route to Nb2O5 Thin Films for
5 Structures Optimization Study of Solid-State
Coloration Dynamics of Spin-Coated MoO3.nH2O
anine Thin Films
a pH 3 Electrolyte
hemical Vapor Deposition
hotochemical Vapor Deposition
mical Vapor Deposition
dic Deposition Enhanced
s Fast
e Tungsten Oxide-Prussian Blue
el Electrolytes Laminated
hemical Characterization
ocess

ructural Change during the Reversible Reduction of a Porphyrin Thin-Film
l Analysis of the Oxygen Reduction Mechanism at a Fully Immersed Gold
re Transformation and Electronic State of Various Pt Particles on Carbon
Model to Study Oxygen Reduction on Thin Porous Coating Rotating Disk
uble Layer Effects Associated with Surface Reconstruction on an Au(100)
Effect of Iron on the Electrochemical Properties of the Nickel Hydroxide
ic Properties of Sintered CdS/CdTe Solar Cells with an Indium-Tin-Oxide
Electrodeposition at an Ice-Coated
In Situ Spectroelectrochemical Study on Polypyrrole/Disulfide Composite
of Aniline and 2,5-Diaminobenzenesulfonic Acid on IrO2-Coated Titanium
lectrode Technique for the Characterization of Interface Between Lithium
Alkaline Solutions Rotating Ring-Disk
Rotating Disk Studies in Molten Carbonates. I.
Tungsten/Tungsten Oxide pH Sensing
Patterned Electrical Conductance and
n Coefficients Electrodeposition Studies of Aluminum on Tungsten
Electrocatalytic Oxidation of Glycerol. I. Behavior of Palladium
nthalpy of Activation. The Reduction of Bromate at the Dropping Mercury
A Novel Active Material for the Negative
The Influence of Methanol on O2 Electroreduction at a Rotating Pt Disk
emical Oxidation of 4,5-Dihydro-1,2,4-triazin-6-one Derivatives at Carbon
Film Formation on Lithium
Limiting Current Density on a Line
mmetry of the Uranyl Ion in Magnesium Chloride Electrolyte at a Graphite
LiNiVO4: A 4.8 Volt

Dual-Bath Electrodeposition of Cu/Ni Compositionally Modulated Multilaye 1 230
Dual-Channel Aluminum-Hydrogen Peroxide Battery 6 L61
Dual-Film Electrodes Modified With and Without Cobalt(II) and Iron(II) Co 2 419
Dual-Phase Polymer Electrolytes Comprised of NBR/SBR Latex Films Swo 8 1989
Ductility and Crystallographic Structure of Zinc Foils Electrodeposited fro 10 2698
Dynamic Dilution Calibration System for Calibrating Analytical Instruments 1 184
Dynamic Power Profile Three-Dimensional Thermal M 11 2947
Dynamic Random Access Memory Devices The Effect of t 7 1872
Dynamics of Spin-Coated MoO3.nH2O Electrochromic Films Fabricated fr 4 876

— E —

Earth Thiogallate Thin Films and Devices E 10 2877
Edge-Type Exposures on Si Substrates: A Correlation Between Carrier Lif 11 3230
Effective Platinum Metal Surface Area in a Phosphoric Acid Fuel Cell 7 1804
Efficiency 9 2300
Efficiency of the Lamp Phosphor (Ce, Gd, Tb)MgB5O10 8 2201
Efficiency with Pressurized Electrode Stack 3 611
Efficient Photoanodes in Acidic Polyiodide Medium 5 1085
Efficient Photoelectrochemical Solar Cells Preparation of a Langmu 11 3077
Efficient Photoelectrochemical Solar Cells Equipped with an n-Si Electrod 11 3090
Electric Double-Layer Capacitor Composed of Activated Carbon Fiber Clo 7 1730
Electric Field into a Cylindrical Conductor 3 703
Electrical and Microstructural Studies of SnO2 Ceramics Obtained by Tin 11 3254
Electrical Charge and HF Concentration Effect on Porous Silicon Formati 3 689
Electrical Characteristics of Thin Silicon Nitride Dielectric Films Deposite 4 1066
Electrical Characteristics of Zinc Sulfide Thin Films Deposited by Various 5 1320
Electrical Characteristics of Thin Oxides Grown by Rapid Thermal Oxidati 11 3222
Electrical Conductance and Electrode Formation in Ion-Implanted Diamon 4 L41
Electrical Conduction Behavior of Surface Films on Aluminum 1 104
Electrical Conductivity Measurement in Liquified Hydrogen Chloride 1 246
Electrical Conduction Through Anodic Oxides on Sulfur Passivated InP 1 299
Electrical Conductivity Relaxation Precise Determination of the Ch 5 1268
Electrical Dopant Activation in High-Dose BF2 Ion Implanted Silicon 11 3158
Electrical Double-Layer Capacitors Electrochemical Prope 11 2999
Electrical Effects Induced by Structural Imperfections on Metal Oxide Se 6 1621
Electrical Impedance Due to the Anodic Dissolution of Silicon in HF Soluti 3 697
Electrical Leakage in Titanium-Salicided Silicon CMOS Integrated Circuits 7 1957
Electrical, Metallurgical, and Mechanical Behaviors of Rapid Thermal Pro 2 479
Electrical Networks for Use in the Equivalent-Circuit Analysis of Electroch 7 1823
Electrical Properties of Alpha-Si:H Thin Film Transistors Effects o 4 1040
Electrical Properties of Thin Anodic Oxides Formed on Silicon in Aqueous 5 1309
Electrical Stimulation of Neural Tissue 1 122
Electrical Stress-Generated Defects in Metal Oxide Semiconductor Struct 8 2140
Electrically Active Phosphorus in Silicon after Thermal Oxidation 12 3580
Electro-Optical Characterization of Sulfur-Annealed Chemical-Bath Depo 11 3238
Electro-oxidation of Methanol in Sulfuric Acid Electrolyte on Platinized-C 6 1517
Electro-oxidation on Well-Characterized Pt-Ru Alloys 7 1795
Electroactive Film Prepared in an Imidazolium Chloroaluminate Molten Sa 7 1709
Electroanalytical Investigation of Polybithiophene Modified Platinum Elec 10 2608
Electrocatalysis of Anodic Oxygen-Transfer Reactions. Evolution of Ozon 10 2708
Electrocatalysis of Anodic Oxygen-Transfer Reactions. Oxidation of Phen 12 3404
Electrocatalysis of CO2 Reduction Design of Electrocatalyst for C 8 2054
Electrocatalyst for CO2 Reduction. V. Effect of the Microcrystalline Struct 8 2054
Electrocatalyst for Bifunctional Air Electrodes 10 2590
Electrocatalysts for Phosphoric Acid Fuel-Cell Cathode 8 L92
Electrocatalysts in Solid-Polymer Fuel Cells 9 L132
Electrocatalytic Activity of Nafion-Impregnated Pyrolyzed Cobalt Phthalo 1 41
Electrocatalytic Hydrogenation of Glucose. I. Kinetics of Hydrogen Evolut 10 2729
Electrocatalytic Hydrogenation of Glucose. II. Raney Nickel Powder Flow 10 2742
Electrocatalytic Oxidation of Glycerol. I. Behavior of Palladium Electrode 3 725
Electrocatalytic Oxygen Reduction Activity of Nano-Grained Thin-Film Pt 2 425
Electrocatalytic Oxygen Reduction Performance of Platinum Ternary Allo 4 968
Electrochromic Devices 3 L29
Electrochromic Devices Based on WO3/Lithium-Polymer Electrolyte/V2O 10 2795
Electrochromic Films Fabricated from Peroxo-Polymolybdate Solution 4 876
Electrochromic Oxidation and Reduction of Cobalt and Zinc Naphthalocy 1 64
Electrochromic Performances of Polyaniline Films during Their Cycling in 10 2682
Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by C 4 1021
Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by P 9 2435
Electrochromic Properties of Niobium Oxide Thin Films Prepared by Che 10 2868
Electrochromic Property of Nickel Hydroxide Thin Films Prepared by Ano 12 3439
Electrochromic Switching with Nanocrystalline Oxide Semiconductor Film 7 L82
Electrochromic System Based on a Proton-Conducting Polymer Electrolyt 8 2061
Electrochromic Windows Based on Nickel Oxide, Tungsten Oxide, and G 4 1025
Electrochromism of Electrodeposited Tungsten Trioxide Films. I. Electroc 7 1758
Electrochromism of Niobium Oxide Thin Films Prepared by the Sol-Gel Pr 9 2439
Electrocomposites of Polypyrrole and Carbon Black 2 L13
Electrode Observation of a Transient St 7 1735
Electrode Gas Electrode Reactions in Molten Carbonate Media. V. 5 1191
Electrode In Situ X-Ray Absorption on Fine Structure Study on Stru 9 2516
Electrode Application of the Flooded-Agglomerate 2 431
Electrode Do 3 L30
Electrode 3 713
Electrode Photovolta 12 3572
Electrode 9 L113
Electrode Electrochemical and 4 L49
Electrode Polyaniline Derivative with External and Internal Doping 10 2624
Electrode and Electrolytes Containing Additives In Situ Scanning Vi 12 L159
Electrode and Spectroelectrochemical Studies on the Oxidation of Iron in 3 718
Electrode Design 3 619
Electrode for High Temperature Aqueous Environments 11 3002
Electrode Formation in Ion-Implanted Diamond Films 4 L41
Electrode from DMSO2 Electrolytes. Determination of Al(III) Species Diffu 2 378
Electrode in Alkaline Medium 3 725
Electrode in Alkaline Solutions Negative Apparent Electrochemical 5 1183
Electrode in Alkaline Nickel Oxide Secondary Batteries 7 1740
Electrode in Acid Electrolyte 7 1770
Electrode in Acetonitrile Electroch 9 2283
Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Based Electrolytes 4 865
Electrode in the Presence of Tangential, Oscillating Fluid Flow 10 2753
Electrode in Weakly Acidic and Neutral Solutions Cyclic Volta 2 311
Electrode Material for Lithium Cells 9 2279

Stabilized Alpha-Ni(OH)2 as
Efficient Photoelectrochemical Solar Cells Equipped with an n-Si
gen Reduction Mechanism at a Fully Immersed Gold Electrode Gas
Kinetics of the
Mixing Effect of Metal Oxides on Negative
Electroluminescence Transient and Its Application to Kinetic Study on
Influence of Electrolyte on Lithium Cycling Efficiency with Pressurized
copy In Situ Monitoring of
e and Electrolytes Containing Additives In Situ Scanning Vibrating
tivity Electrochemical Reduction of CO2 on a Cu
The Role of Induced Convection in Branched
Formation of a Silver-Rich Surface Layer on
f Thermal and Chemical Treatments on the Composition and Structure of
Ductility and Crystallographic Structure of Zinc Foils
Shape Formation of
On the Amorphous and Crystalline State of
ten as Hydrogen Electrodes in Alkaline Water Electrolysis Study of
ation Electrochromism of
vimetry with Controlled Hydrodynamics. Application to the Study of Nickel

The
y Carbon Evolution of Crystallinity during the
Selective
Dual-Bath
Nitrate Melt
utions
Fundamental Study on
sium Nitrate Melt
The Influence of Oxide on the

Transient Electrochemical Techniques for Studying
o Solid Electrodes from Room Temperature Molten Salts
Effect of SiO2 Colloid on the
lectrolytes. Determination of Al(III) Species Diffusion Coefficients
Use of In Situ Atomic Force Microscopy to Image Copper
. V. Electrowinning of Zinc from Flowing Alkaline Zincates at Packed-Bed
gen Evolution Reaction on Porous Lanthanum-Phosphate-Bonded Nickel
to a Study of the Anodic Deposition of PbO2 and Bi-PbO2 Films on Gold
Optimization of Composition and Structure of Metal-Hydride
Unmodified and Cobalt Phthalocyanine-Modified Carbon-Kel-F Composite
Hot Electron Reduction at Etched n-Si/Pt Thin Film
Underpotential and Bulk Deposition of Silver on Polycrystalline Platinum
ic Fluoride Media: A Comparison of Diamond, HOPG, and Glassy Carbon
tive Study Between Rotating Disk and Solid Polymer Electrolyte Fuel-Cell
e Semiconductor Gas Sensors with Double-Layer Structure and Interface
oic Acid on the Kinetics of Ferrous Oxidation on Pt and Nafion-Coated Pt
y on Electrode Reactions Caused by Carrier Tunneling in Semiconductor
An Electroanalytical Investigation of Polybithiophene Modified Platinum
A Low-Noise Contact for Rotating
Characterization of Nonstoichiometric Nickel Oxide Thin-Film
A Study of Bismuth Ruthenate as an Electrocatalyst for Bifunctional Air
tentials in Propylene Carbonate Solutions. A Comparison to Studies of Li
ell Electrolytes. II. Effects on the Oxygen Reduction Reaction at Platinum
and the Degree of Hydration of the Anodic PbO2 Layer Formed on Pb-Sb
ansfer Behavior of Electrochemical Reactors Employing Vibrating Screen
Surface Characterization of RuO2-IrO2-TiO2 Coated Titanium
Kinetics of Roughness Relaxation at Gold
Electrochemical Impedance of Blocking Quasi-Fractal 3-d
ectric Double-Layer Capacitor Composed of Activated Carbon Fiber Cloth
Alkaline-Pretreated Aluminum
udies of Li Electrodes Impedance Spectroscopy of Nonactive Metal
Preparation of Microarray
e Degradation of Trichloroethylene in Acetonitrile Composite
ymer Electrolyte Cells The Behavior of Carbon
AC Impedance at Redox-Polymer Modified
Analysis of Current/Voltage Curves at n-Si/SiO2/Pt
Partially Immersed Cylindrical Horizontally Revolving
Limiting Current of Oxygen Reduction on Gas-Diffusion
odeposition of Palladium and Adsorption of Palladium Chloride onto Solid
Concentration and Overpotential for Galvanostatic Discharge of Hydride
Concentration and Overpotential for Galvanostatic Discharge of Hydride
The Surface Chemistry of Lithium
Nickel-Tungsten, Cobalt-Molybdenum, and Cobalt-Tungsten as Hydrogen
ctions. Oxidation of Phenol and Benzene at Bismuth-Doped Lead Dioxide
The Single-Electrode Peltier Heats of Li-Al Alloy
nvestigation of Hydrogen Sorption/Desorption at/within Oxide-Derived Pd
Electroless Deposition of
dy of the Mechanism of the Hydrogen Evolution Reaction at Raney Nickel
Electrochemical Reduction of Carbon Dioxide at Dual-Film
spheres Preparation of Nickel Pattern
utions Polyoxometallate-based Layered Composite Films on
acked-Bed Electrodes Applications of Porous Flow-Through
trochemical and Structural Properties of SnO2 and Sb:SnO2 Transparent
ro-oxidation of Methanol in Sulfuric Acid Electrolyte on Platinized-Carbon
Pulsed Electroreduction of CO2 on Copper
Light Emission from Porous Silicon under Photo- and
psulated Iron Salen Complex Effects of
y of Nickel Electrodeposition Quartz Crystal
their Impact on Particulate Deposition
rate
ng Agent

of Pd Catalysts to Ligating Self-Assembled Monolayer Films for Selective
On the Mechanism of
Fluorine-Passivated
The Effect of Solution pH and Heat-Treatment on the Properties of
Preparation of Ni-Sn Alloys by an
The Influence of Thermal Treatments on the Adhesion of
ueous Solution
e Earth Thiogallate Thin Films and Devices
AC
actions Caused by Carrier Tunneling in Semiconductor Electrodes

Electrode Material for Alkaline Secondary Cells 11 2956
Electrode Modified with Colloidal Platinum Particles 11 3090
Electrode Reactions in Molten Carbonate Media. V. Electrochemical Analy 5 1191
Electrode Reaction at the H2-H2O Porous Pt/Stabilized Zirconia Interface 6 1674
Electrode Reactions in the Nickel-Hydride Battery 9 2306
Electrode Reactions Caused by Carrier Tunneling in Semiconductor Electr 12 3410
Electrode Stack 3 611
Electrode Surface Modification via Confocal Scanning Beam Laser Micros 11 L153
Electrode Technique for the Characterization of Interface Between Lithiu 12 L159
Electrode under High Pressure. Factors that Determine the Product Selec 8 2097
Electrodeposit Morphology Selection 5 1206
Electrodeposited CdTe 2 529
Electrodeposited CuInSe2 Thin Films Effects o 1 225
Electrodeposited from Acid Zinc Sulfate Solutions 10 2698
Electrodeposited Gold Bumps 6 1644
Electrodeposited Nickel-Phosphorus Coatings 1 294
Electrodeposited Nickel-Molybdenum, Nickel-Tungsten, Cobalt-Molybden 2 382
Electrodeposited Tungsten Trioxide Films. I. Electrochemical Characteriz 7 1758
Electrodeposition Quartz Crystal Electrogra 9 L103
Electrodeposition at an Ice-Coated Electrode 9 L113
Electrodeposition of Al-Cr Metallic Glass 9 L115
Electrodeposition of Al3Ti from Chloroaluminate Electrolytes 4 945
Electrodeposition of Body-Centered Cubic Thallium(III) Oxide onto Glass 9 2391
Electrodeposition of Catalyst Within Membrane-Electrode Structures 1 46
Electrodeposition of Cu/Ni Compositionally Modulated Multilayers 1 230
Electrodeposition of Copper Oxide from the Eutectic Sodium-Potassium 2 388
Electrodeposition of Cobalt-Chromium Alloy from Trivalent Chromium Sol 7 1773
Electrodeposition of Co and Co-P Films 7 1783
Electrodeposition of Mixed Metal Oxides from the Eutectic Sodium-Potas 2 392
Electrodeposition of Niobium from Alkali Fluoride Melts 5 1212
Electrodeposition of Ni1-xAlx in a Chloroaluminate Melt 11 3059
Electrodeposition of Niobium in Fused NaCl-KCl 12 3306
Electrodeposition of Palladium and Adsorption of Palladium Chloride ont 4 1000
Electrodeposition of Zinc-Iron Group Metal Alloy Composites 4 954
Electrodeposition Studies of Aluminum on Tungsten Electrode from DMS 2 378
Electrodeposits on Platinum 5 1166
Electrodes Applications of Porous Flow-Through Electrodes 2 441
Electrodes Influence of Physicochemical Properties of Alkaline Sol 5 1225
Electrodes Application of an Electrochemical Quartz Crystal Microb 3 652
Electrodes 7 1747
Electrodes Improved Performance of 2 323
Electrodes 9 2402
Electrodes The Effects of Organic Adsorbates on the 12 3394
Electrodes The Susceptibility to Surface Corrosion in Acid 12 3382
Electrodes Electrocatalytic Activity of Nafion-Impregnated Pyrolyze 1 41
Electrodes High Ammonia Sensitiv 4 1028
Electrodes Effects of Toluene and Benz 6 1483
Electrodes Electroluminescence Transient and Its Application to Ki 12 3410
Electrodes 10 2608
Electrodes 9 L123
Electrodes 4 889
Electrodes 10 2590
Electrodes Impedance Spectroscopy of Nonactive Metal Electrodes 7 1808
Electrodes Phosphorous Acid Impurities in Phosphoric Acid Fuel C 12 3332
Electrodes Influence of Antimony on the Structure 9 2316
Electrodes Mass-Tr 2 437
Electrodes 3 643
Electrodes 9 2291
Electrodes 10 2711
Electrodes and Solid Polymer Electrolytes Containing Alkylammonium Sal 7 1730
Electrodes as pH Sensors 5 1142
Electrodes at Low Potentials in Propylene Carbonate Solutions. A Compa 7 1808
Electrodes by Sonochemical Ablation of Polymer Films 3 L23
Electrodes Consisting of Metal and Oxidized Carbon Particles for Complet 6 1522
Electrodes Derived from Poly(p-phenylene) in Polyacrylonitrile-Based Pol 11 L143
Electrodes. Effects of Dilute and Highly Resistive Bathing Electrolytes 10 2722
Electrodes. Evidence for Hot Electron Reduction 12 3375
Electrodes for the Production of Conducting Polymers 1 147
Electrodes for Phosphoric Acid Fuel Cells 11 3114
Electrodes from Room Temperature Molten Salts Electr 4 1000
Electrodes. I. Development of the Model Hydrogen Surface 8 2108
Electrodes. II. Quantitative Numerical Calculations Hydrogen Surfa 8 2113
Electrodes in Alkyl Carbonate Solutions 1 L1
Electrodes in Alkaline Water Electrolysis Study of Electrodeposited 2 382
Electrodes in Acidic Solutions Electrocatalysis of Anodic Oxygen-Tr 12 3404
Electrodes in LiCl-KCl Eutectic System 11 3096
Electrodes in NaOH and H2SO4 Voltammetric I 11 2996
Electrodes in Solid-Oxide Fuel Cells 8 L94
Electrodes in the Presence of Organic Compounds Situ 4 975
Electrodes Modified With and Without Cobalt(II) and Iron(II) Complexes 2 419
Electrodes on YSZ and Their Electrochemical Properties in H2-H2O Atmo 8 2129
Electrodes. Preparation Through Alternate Immersions in Modification Sol 1 140
Electrodes. V. Electrowinning of Zinc from Flowing Alkaline Zincates at P 2 441
Electrodes with Mixed Electronically Conductive and Ion-Storage Charact 9 L127
Electrodes with Several Functional-Group Characteristics Elect 6 1517
Electrodes-II 5 1138
Electroexcitation 11 3071
Electrogenerated Silver Particles on the Electrochemistry of Zeolite-Enca 11 3049
Electrogravimetry with Controlled Hydrodynamics. Application to the Stud 9 L103
Electrokinetic Characteristics of Nitride Wafers in Aqueous Solutions and 9 2465
Electroless Copper Plating Using ZnO Thin Film Coated on a Glass Subst 5 L56
Electroless Copper Deposition Process Using Glyoxylic Acid as a Reduci 3 730
Electroless Deposition of Electrodes in Solid-Oxide Fuel Cells 8 L94
Electroless Metal Deposition Covalent Binding 1 210
Electroless Ni-P Plating 9 2356
Electroless Ni-P Films 10 2649
Electroless Nickel Boron Films 1 78
Electroless-Deposition Method 6 1471
Electrolessly Deposited Ni(P) Layers on Alumina Ceramic 3 816
Electroluminescence and Chemiluminescence of Porous Silicon in Nonaq 5 1157
Electroluminescence and Photoluminescence of Cerium-Activated Alkalin 10 2877
Electroluminescence of ZnS:Tm 4 1070
Electroluminescence Transient and Its Application to Kinetic Study on El 12 3410

Factors Affecting the Conductivity of Copper-Coated Direct Current
bdenum, and Cobalt-Tungsten as Hydrogen Electrodes in Alkaline Water
ic Properties of Chemically Deposited Cobalt Nickel Phosphorus Films by
ductor Tin Oxide The Role of an
sian Blue Electrochromic System Based on a Proton-Conducting Polymer
f Methanol on O2 Electroreduction at a Rotating Pt Disk Electrode in Acid
mical Deposition of Uniform Lithium on an Ni Substrate in a Nonaqueous
ture Operation of Solid Oxide Fuel Cell with a ZrO2-Sc2O3-Al2O3 System
chromic Performances of Polyaniline Films during Their Cycling in a pH 3
l-Type Humidity Sensor Using EMD-Based Manganese Oxides as a Solid
Thermal Stability of the Polymer
Cathode Characteristics of Amorphous V2O5 with Polymer
s Cyclic Voltammetry of the Uranyl Ion in Magnesium Chloride
Dual Intercalating Molten
rodes Derived from Poly(p-phenylene) in Polyacrylonitrile-Based Polymer
eoxidation of Molten Metals by Short Circuiting Yttria-Stabilized Zirconia
A Polymer
alocyanine A Correlative Study Between Rotating Disk and Solid Polymer
TIR-ATR Study of p-Silicon Photoelectrode/Potassium Ferri-Ferrocyanide
oscopic Phase-Transfer Mediators Application of the Solid Polymer
Influence of
p Characteristics Electro-oxidation of Methanol in Sulfuric Acid
havior of Polyaniline-Poly(styrene sulfonate) Composite Films in Organic
Water Absorption of the Polymer
Application of Solid Polymer
de) Ionic Conductivity of a Polymer
dy of Solid-State Electrochromic Devices Based on WO3/Lithium-Polymer
rmation on Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Based
dies on Deposition and Dissolution Processes of PbO2 in Perchloric Acid
lymer Modified Electrodes. Effects of Dilute and Highly Resistive Bathing
lectrochromic Windows Based on Nickel Oxide, Tungsten Oxide, and Gel
The Electrodeposition of Al3Ti from Chloroaluminate
Electrochemical Behavior of Lithium
r Capacitors Electrochemical Properties of Organic Liquid
t Solutions Ionic Conductivity of Dual-Phase Polymer
ique for the Characterization of Interface Between Lithium Electrode and
charge Characteristics of Carbon Fiber with Graphite Structure in Organic
Composed of Activated Carbon Fiber Cloth Electrodes and Solid Polymer
ectrodeposition Studies of Aluminum on Tungsten Electrode from DMSO2
Kinetic Studies Cycloaliphatic Epoxide-Based Photocured Gelled
Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell
ectrodes Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell
Impurities Zinc Electrowinning in Acidic Sulfate
Interactions among Bipolar Spheres in an
Report of the
Incorporation of Impurity Metal Ions in
s at Various Types of Carbon Anode in Al2O3-Na3AlF6 Melts Used in the
Electrochemical Diagnostic of Bright Tin Deposition in View of the
Chemical Attack on Polypyrrole by
Surface Electronic Properties of
ound Formation in Ti/Al Aluminum Alloy Thin Film Couples and Its Role in
Mg Content Dependence of the
etermination of Thermodynamic Properties of Ternary Al-Cu-Zn Alloys by
de Discharge Curves Effect of Proton Diffusion,
Surface Damage on GaAs Etched Using a Multipolar
perature Deposition of TiN Using Tetrakis(dimethylamido)-Titanium in an
Microwave Power and SiH4/N2 Flow Ratio of Silicon Nitride Deposited by
Electrochemical Study of the Cross Effect Between Ion and
Silica Films on Silicon. Thickness Measurement by
olvents X-Ray Photoelectron Spectroscopy Analysis and Scanning
Hot
is of Current/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence for Hot
Chloroaluminate Molten Salts Heterogeneous and Homogeneous
Deep and Shallow
Silicon Wafer Etching by Transmitted
ntercalation Compounds The
ratures
Surface
Ray Absorption on Fine Structure Study on Structure Transformation and
ural Properties of SnO2 and Sb:SnO2 Transparent Electrodes with Mixed
e Measurement of Carbon in Silicon Crystals Irradiated with High Energy
Impedance Analysis of a Model Mechanism for Acceptor-Limited
s HF Solutions Characterization of the
The Influence of Methanol on O2
Poisoning and Activation of the Gold Cathode during
Pulsed
ed PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron Gap Fill.
Novel
ge Membrane
deling of the Influence of Nickel Impurities Zinc
ctrodes Applications of Porous Flow-Through Electrodes. V.
nalysis of Nonexponential Transient Response Due to a Constant-Phase
Limitations on the Use of Ion Implantation for the Study of the Reactive
r. I. Oxidation Kinetics and Scale Morphology The Role of Reactive
Cathodic Reduction of Oxides Formed on Copper at
ssure Rapid Thermal Annealing
strates Characterization and
b2O5 Films Formed by MOCVD
Chemical Vapor Deposited Ta2O5 Films on Si(100)
ica Films on Silicon. Thickness Measurement by Electron Microscopy and
On-Line Inference of Plasma Etch Uniformity Using In Situ
trate Surface after Different Chemical Pretreatments by Means of Nulling
and Optical Properties of Polyaniline Measured by In Situ Spectroscopic
and Microroughness Effects in RTP Temperature Measurement by In Situ
Considerations for Improved Silicon Wafer Temperature Measurement by
Spectroscopic
Spectroscopic
morphous Silicon and Polysilicon Multiple-Angle Incident
A New Potential-Type Humidity Sensor Using
Thermal Incorporation of External Oxygen into

Electroluminescent Phosphor 9 2513
Electrolysis Study of Electrodeposited Nickel-Molybdenum, Nickel- 2 382
Electrolysis Control of Magnet 9 2366
Electrolysis Reduction in Copper-Electroplating on Transparent Semicon 4 L38
Electrolyte Tungsten Oxide-Prus 8 2061
Electrolyte The Influence o 7 1770
Electrolyte Electroche 9 L108
Electrolyte Low Tempera 12 3450
Electrolyte Electru 10 2682
Electrolyte A New Potentia 4 L35
Electrolyte (PEO)8LiCF3SO3 11 2978
Electrolyte and Li Anode at 100 C 10 2611
Electrolyte at a Graphite Electrode in Weakly Acidic and Neutral Solution 2 311
Electrolyte Batteries 7 L73
Electrolyte Cells The Behavior of Carbon Elect 11 L143
Electrolyte Cell D 2 467
Electrolyte for Operation at Temperatures up to 200 C 4 L46
Electrolyte Fuel-Cell Electrodes Electrocatalytic Activity of Nafion-I 1 41
Electrolyte Interface In Situ F 12 3369
Electrolyte Method to Organic Electrochemistry. XVII. Indirect Electroche 10 2579
Electrolyte on Lithium Cycling Efficiency with Pressurized Electrode Stack 3 611
Electrolyte on Platinized-Carbon Electrodes with Several Functional-Grou 6 1517
Electrolyte Solutions Electrochemical Be 6 1409
Electrolyte Systems Pb(CF3SO3)2PEOn and Zn(CF3SO3)2PEOn 7 1819
Electrolyte to Lithium/Polypyrrole Secondary Battery System 8 1994
Electrolyte with Modified Carbonate as a Plasticizer for Poly(ethylene oxi 4 886
Electrolyte/V2O5 Structures Optimization Stu 10 2795
Electrolytes Film Fo 4 865
Electrolytes Stu 8 1998
Electrolytes AC Impedance at Redox-Po 10 2722
Electrolytes Laminated E 4 1025
Electrolytes 4 945
Electrolytes Based on New Polyether Networks 7 1915
Electrolytes Based on Quaternary Onium Salts for Electrical Double-Laye 11 2989
Electrolytes Comprised of NBR/SBR Latex Films Swollen with Lithium Sal 8 1989
Electrolytes Containing Additives In Situ Scanning Vibrating Electr 12 L159
Electrolytes Containing Lithium Trifluoromethylsulfate and Lithium Hexafl 5 1105
Electrolytes Containing Alkylammonium Salts Electric Double-Laye 7 1730
Electrolytes. Determination of Al(III) Species Diffusion Coefficients 2 378
Electrolytes for Secondary Lithium Battery Applications. Electrochemical 6 1414
Electrolytes. I. Voltammetric Study of Impurity Formation 12 3325
Electrolytes. II. Effects on the Oxygen Reduction Reaction at Platinum El 12 3332
Electrolytes: Impedance Analysis and Modeling of the Influence of Nickel 1 131
Electrolytic Cell 11 3103
Electrolytic Codeposition of Ni-Gamma Al2O3 Thin Films 3 669
Electrolytic Industries for the Year 1993 10 2918
Electrolytic Manganese Dioxide 8 2035
Electrolytic Production of Aluminum A Chronoamperometric Study 8 2103
Electrolytic Synthesis of NiP/Sn Multilayers 2 397
Electrolytically Generated Solution Species in Aqueous Chloride Medium 11 2942
Electrolytically Hydrogen Terminated Si(111) 12 3595
Electromigration Lifetime Intermetallic Comp 1 302
Electromigration Resistance of Fine-Grained Al-Si Alloys 10 2857
Electromotive Force Method D 4 927
Electron Conductivity, and Charge-Transfer Resistance on Nickel Hydroxi 2 348
Electron Cyclotron Resonance Source 1 255
Electron Cyclotron Resonance Plasma Process Low Tem 3 849
Electron Cyclotron Resonance Plasmas Kinetics and Compositional 11 3234
Electron Flows in Semiconducting CoO 10 2789
Electron Microscopy and Ellipsometry 7 1832
Electron Microscopic Observation of the Lithium Surface Immersed in Non 9 2379
Electron Reduction at Etched n-Si/Pt Thin Film Electrodes 9 2402
Electron Reduction Analys 12 3375
Electron Transfer Reactions of Tetrathiafulvalene in Ambient Temperature 7 1713
Electron Trapping in the Buried Oxide Layer of SIMOX Structures 10 2801
Electron-Beam-Enhanced Plasma 9 2541
Electronic and Ionic Contributions to the Free Energy of Alkali Metals in I 9 2297
Electronic Conductivity in the La(Cr,Ni)O3 Perovskite System 3 782
Electronic Conductivity of In2O3 Solid Solutions with ZrO2 10 2759
Electronic Conductivity of Polycrystalline Na-Beta-Alumina at High Tempe 10 2779
Electronic Properties of Electrolytically Hydrogen Terminated Si(111) 12 3595
Electronic State of Various Pt Particles on Carbon Electrode In Situ 9 2516
Electronically Conductive and Ion-Storage Characteristics Electroc 9 L127
Electrons Photoluminescenc 12 3576
Electropolishing 2 410
Electropolishing Layer during Anodic Etching of p-Type Silicon in Aqueou 8 2049
Electroreduction at a Rotating Pt Disk Electrode in Acid Electrolyte 7 1770
Electroreduction of CO2 5 L58
Electroreduction of CO2 on Copper Electrodes-II 5 1138
Electrostatic Effects Surface Related Phenomena in Integrat 8 2172
Electrosynthesis of Poly(cyclo-organophosphazenes) 12 L162
Electrotransportation of Aniline Through a Perfluorosulfonate Ion-Exchan 7 1827
Electrowinning in Acidic Sulfate Electrolytes: Impedance Analysis and Mo 1 131
Electrowinning of Zinc from Flowing Alkaline Zincates at Packed-Bed Ele 2 441
Element A 12 3423
Element Effect on Beta-NiAl 9 2443
Elements on Scale Growth in High-Temperature Oxidation of Pure Nickel, 7 1905
Elevated Temperatures 4 940
Eliminating the Surface Inversion Layer under the Field Oxide by Low Pre 9 2498
Elimination of Defects in Oxide Layers Grown on Czochralski Silicon Sub 9 2480
Ellipsometric Analysis of Growth Process and Corrosion Resistance of N 6 1669
Ellipsometric Examination of Structure and Growth Rate of Metalorganic 3 853
Ellipsometry Sil 7 1832
Ellipsometry 5 1387
Ellipsometry Examination of Si Subs 2 554
Ellipsometry Nanoscale Dimensional Changes 4 859
Ellipsometry Substrate Doping 3 737
Ellipsometry Wavelength 2 539
Ellipsometry and Atomic Force Microscopy of Polyphenylene Oxide Films 1 306
Ellipsometry Investigation of Amorphous Silicon Nitride Thin Films 9 2483
Ellipsometry Measurement on Low Pressure Chemical Vapor Deposited A 8 2146
EMD-Based Manganese Oxides as a Solid Electrolyte 4 L35
EMD-Derived Manganese Oxides 12 3343

triation Frequency On the
Light
Measurement of Particle
A Simple Method to Control Bipolar Polysilicon
Widegap Column-III Nitride Semiconductors for UV/Blue Light
Residue-Free Etching of the Al-Si-Cu Alloy
Mass-Transfer Behavior of Electrochemical Reactors
t Diffusion in Silicon below the Solid Solubility Limit and at a Low Implant
Prediction of Ion
Based on Differential Capacitance and Current-Voltage Data Solar
nescence Measurement of Carbon in Silicon Crystals Irradiated with High
The Electronic and Ionic Contributions to the Free
Effect of Ion
ry Low Temperature (300 C) Silicon Epitaxial Growth by Confined Plasma

ed by Anodic Deposition
Electrochemically Layered Copper-Nickel Nanocomposites with
High Selectivity Magnetically
Mass-Transport
Electrochemical Reduction of Liquid CO2. Drastic
n Content
Characterization
Electrode in Alkaline Solutions Negative Apparent Electrochemical
Theory of Thermocells. Transported
The Role of Thallium as a Hydrogen
Local
orrosion Resistance of Sputter-Deposited TbFeCo Thin Films in Aqueous
ten/Tungsten Oxide pH Sensing Electrode for High Temperature Aqueous
Interdiffusion, Phase Transformation, and
Hopping Conduction in Molecular Beam

Temperature Region Synchrotron Radiation-Assisted Si
on The Kinetics of Very Low Temperature (300 C) Silicon
Anodic Oxidation of InxGa1-xAsyP1-y
y Measurement of an Interface Layer Between a Low Temperature Silicon
Reactive Ion Etching of (111) Beta-SiC
Selectivity Mechanisms in Low Pressure Selective
orporation during Low Temperature Chemical Vapor Deposition Growth of
Growth of In2O3 Thin Films by Atomic Layer
a0.88As0.34P0.66 Grown on GaAs0.61P0.39 Substrates by Liquid-Phase
GaAs Grown by Low Pressure TEAs-TMGa Organometallic Vapor-Phase
of the Existence of an Underlying SiO2 Layer on the Lateral Solid-Phase
Growth Kinetics, Silicon Nucleation on Silicon Dioxide, and Selective
tery Applications. Electrochemical Kinetic Studies Cycloaliphatic
Efficient Photoelectrochemical Solar Cells
Tables of Degenerate Electrical Networks for Use in the
lobal Planarization Technique Utilizing In Situ Isotropic Photoresist Mask
Feature-Scale Fluid-Based
al Measurements An Approach for
ts of Deposition and Ion Scattering on Profile Control in Submicron Oxide
con Chromium-Free
Chemistry Reactive Ion
The Development of an Anisotropic Si
Plasma Induced Damage in a Planar Inductively Coupled
cess-Induced Defects on the Chemical Selectivity of Highly Doped Boron
On-Line Inference of Plasma
Exposures on Si Substrates: A Correlation Between Carrier Lifetime and
Local
Hot Electron Reduction at
Surface Damage on GaAs
Local Etch-Rate Control of Masked InP/InGaAsP by Diffusion-Limited
Interferometric Real-Time Measurement of Uniformity for Plasma
Characterization of Si-Si Bonding by Wright
ue-Free Etching of the Al-Si-Cu Alloy Employing Magnetron Reactive Ion
Intrinsic and Passivation-Induced Trench Tapering during Plasma
rystal Originated Defects in Czochralski Silicon Using Nonagitated Secco
Silicon Wafer
arrier Lifetime and Etch-Induced Defect States Effect of Plasma
Chemically Assisted Ion Beam
Neutral Particle Flux Calculations in Plasma
Morphology of Porous n-Type Silicon Obtained by Photoelectrochemical
The
+ O2 + Ar Reactive Ion
Photoelectrochemical
a0.47As Masks Wet Chemical
High Selectivity Magnetically Enhanced Reactive Ion
Anisotropic Chemical Pattern
The Chemical
ce Fabrication Citric Acid
Photoelectrochemical
Low Temperature Chlorine-Based Dry
Characterization of the Electropolishing Layer during Anodic
Hydrofluoric Acid
Hydrofluoric Acid
Anisotropic
Fabrication of Vertical Sidewalls by Anisotropic
Residue-Free
tained by Photoelectrochemical Etching. I. Correlations with Material and
The Effect of pH on the Localized
A Study of the Dissociation State and the SiO2
The Applications of Citric Acid/Hydrogen Peroxide
of GaSb by Optical Reflectograms Chemical
own by Chemical Vapor Deposition on Titanium Carbide Using Silane and
f Silicon Carbide, Chemically Vapor Deposited on Titanium Carbide Using
Electrochemistry of Molybdenum Solutions in Molten LiCl-KCl
Electrodeposition of Copper Oxide from the
Electrodeposition of Mixed Metal Oxides from the
The Single-Electrode Peltier Heats of Li-Al Alloy Electrodes in LiCl-KCl
Initial
Analysis of Current/Voltage Curves at n-Si/SiO2/Pt Electrodes.
The Electrocatalytic Hydrogenation of Glucose. I. Kinetics of Hydrogen
Simulation of Rarefied Gas Transport and Profile
ubic Thallium(III) Oxide onto Glassy Carbon

Emergence and Spacing of Zinc Striations. I. Determination of Preferred S 6 1477
Emission from Porous Silicon under Photo- and Electroexcitation 11 3071
Emissions from Clean Room Gas-Handling Components 6 1649
Emitter Interfacial Oxide 11 3157
Emitting Devices 8 2266
Employing Magnetron Reactive Ion Etching 10 2825
Employing Vibrating Screen Electrodes 2 437
Energy An Investigation of Phosphorus Transien 8 2182
Energy and Angular Distributions in Single and Dual Frequency Plasmas 5 1313
Energy Conversion at the p-InP/Vanadium3+/2+ Semiconductor/Electrolyt 8 2040
Energy Electrons Photolumi 12 3576
Energy of Alkali Metals in Intercalation Compounds 9 2297
Energy on the Diffusion of Si Implanted into GaAs 8 2245
Enhanced Chemical Vapor Deposition The Kinetics of Ve 12 3584
Enhanced Diffusion of Dopants at Concentrations near the Solubility Limit 12 3593
Enhanced Electrochromic Property of Nickel Hydroxide Thin Films Prepar 12 3439
Enhanced Hardness 1 L10
Enhanced Reactive Ion Etching of Boron Nitride Films 12 3456
Enhancement by Rising Bubble Curtains 10 2599
Enhancement of Current Density 9 L130
Enhancement of the Reactive Deposition Rate of TiN Films at Low Nitroge 1 L8
Enhancements in Resist Photospeed 4 1034
Enthalpy of Activation. The Reduction of Bromate at the Dropping Mercur 5 1183
Entropies and Heat of Transfer in Sulfate Mixtures 5 1236
Entry Promoter on Cathodically Polarized HY-130 Steel 6 1526
Environment of Ce3+ Ions in CaS Prepared With or Without Flux 11 3188
Environments The Influence of Co Content on the C 5 1199
Environments Tungs 11 3002
Epitaxial CoSi2 Formation in Multilayer Co/Ti-Si(100) System 12 3480
Epitaxial GaAs Grown at Very Low Temperatures 3 747
Epitaxial Growth of SiC on Sapphire Substrates with an AlN Buffer Layer 2 510
Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases. Properties in the Low 6 1562
Epitaxial Growth by Confined Plasma Enhanced Chemical Vapor Depositi 12 3584
Epitaxial Layers 8 L97
Epitaxial Layer and HF-Treated Silicon Substrate X-Ray Reflectivit 5 1370
Epitaxial Layers on (111) TiC Substrates in CF4 + O2 + Ar 10 2915
Epitaxial Silicon Growth 4 1046
Epitaxial Silicon Films Oxygen Inc 5 1284
Epitaxy 11 3210
Epitaxy Luminescence Characterization of In0.12G 8 2211
Epitaxy Effect of Pt/Al2O3 Catalyst on 9 2573
Epitaxy of Amorphous Silicon Influence 1 186
Epitaxy Using Disilane and Hydrogen in an Ultrahigh Vacuum Rapid Ther 11 3269
Epoxide-Based Photocured Gelled Electrolytes for Secondary Lithium Bat 6 1414
Equipped with an n-Si Electrode Modified with Colloidal Platinum Particles 11 3090
Equivalent-Circuit Analysis of Electrochemical Systems 7 1823
Erosion A New G 1 251
Erosion Modeling for Chemical-Mechanical Polishing 7 1900
Estimating Anodic Current Distributions in Crevice Corrosion from Potenti 2 358
Etch Effec 10 2904
Etch for Revealing and Distinguishing Metal Contamination Defects in Sili 10 2821
Etch Processes for Amorphous Silicon Thin-Film Transistors. SiCl4 Based 2 502
Etch Process Selective to GexSi1-x Underlayers 2 507
Etch Reactor 11 3218
Etch Stops in Silicon The Effects of Pro 1 178
Etch Uniformity Using In Situ Ellipsometry 5 1387
Etch-Induced Defect States Effect of Plasma Etching Edge-Type 11 3230
Etch-Rate Control of Masked InP/InGaAsP by Diffusion-Limited Etching 7 1954
Etched n-Si/Pt Thin Film Electrodes 9 2402
Etched Using a Multipolar Electron Cyclotron Resonance Source 1 255
Etching 7 1954
Etching 7 1893
Etching 3 796
Etching Resid 10 2825
Etching 7 1964
Etching Characterization of C 11 3273
Etching by Transmitted Electron-Beam-Enhanced Plasma 9 2541
Etching Edge-Type Exposures on Si Substrates: A Correlation Between C 11 3230
Etching for Silicon-Based Microfabrication 6 1585
Etching for Cylindrical Trench Holes 9 2453
Etching. I. Correlations with Material and Etching Parameters 4 958
Etching Mechanisms of SiO2 in Hydrofluoric Acid 10 2852
Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in CF4 10 2915
Etching of 6H-SiC 3 778
Etching of Alignment V-Grooves in (100) InP through Titanium or In0.53G 6 1594
Etching of Boron Nitride Films 12 3456
Etching of Copper Foil. III. Mathematical Model 3 679
Etching of GaSb in Br2-Methanol Solutions 11 3264
Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure Devi 12 3526
Etching of InAs 5 1274
Etching of III-V Semiconductors 8 2250
Etching of p-Type Silicon in Aqueous HF Solutions 8 2049
Etching of Silicon Dioxide Sacrificial Layers. I. Experimental Observations 1 264
Etching of Silicon Dioxide Sacrificial Layers. II. Modeling 1 270
Etching of Silicon in Rubidium Hydroxide 9 2493
Etching of Silicon (100) Wafers 11 3182
Etching of the Al-Si-Cu Alloy Employing Magnetron Reactive Ion Etching 10 2825
Etching Parameters Morphology of Porous n-Type Silicon Ob 4 958
Etching Process Induced by Laser Irradiation 4 943
Etching Reaction for HF Solutions of Extremely Low Concentration 2 366
Etching Solutions in the Processing of Pseudomorphic MODFETs 4 1082
Etching Solution for the Determination of the Crystallographic Orientation 8 2220
Ethylene Morphological Structure of Silicon Carbide Gr 3 765
Ethylene, Carbon Tetrachloride, and Silicon Tetrachloride Morpholo 3 771
Eutectic at 500 C 9 2286
Eutectic Sodium-Potassium Nitrate Melt 2 388
Eutectic Sodium-Potassium Nitrate Melt 2 392
Eutectic System 11 3096
Events during the Passivation of Rapidly Dissolving Aluminum Surfaces 5 1453
Evidence for Hot Electron Reduction 12 3375
Evolution and Glucose Hydrogenation on Raney Nickel Powder 10 2729
Evolution in Nonplanar Substrate Chemical Vapor Deposition 9 2545
Evolution of Crystallinity during the Electrodeposition of Body-Centered C 9 2391

A Point Defect Based Two-Dimensional Model of the num
Electrocatalysis of Anodic Oxygen-Transfer Reactions.
c Compounds Study of the Mechanism of the Hydrogen
mical Properties of Alkaline Solutions and Temperature on the Hydrogen
ts by Means of Nulling Ellipsometry
or Deposited Ta2O5 Films on Si(100) Ellipsometric
The
I. Experimental Analysis Mass Transport Phenomena in Proton
II. Theoretical Analysis Mass Transport Phenomena in Proton
Synchronously
of Amorphous Silicon Influence of the
The Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molten Salt System.
hange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. I.
dies on Alkaline-Fuel-Cell Cathodes Using a Potentiostatic-Galvanostatic
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. I.
ron-Carbon System at 1400 K Thermodynamic and
er Reduced Pressure in a Circular Impinging Jet Reactor. Simulation and
Etch-Induced Defect States Effect of Plasma Etching Edge-Type
Acid on IrO2-Coated Titanium Electrode Polyaniline Derivative with
Thermal Incorporation of
the Dissociation State and the SiO2 Etching Reaction for HF Solutions of
The Formation of Boron-Doped Polycrystalline Si with
The Reaction of

High Performance Solid Oxide Fuel Cell Cathode
operties of SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Built Structure
Coloration Dynamics of Spin-Coated MoO3.nH2O Electrochromic Films
Diamond Resistors
gstic Acid Low Cost Schottky Barrier Solar Cells
ching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure Device
afers
New Methods for Circuit
Reactive
oluminescent Phosphor
sion of Alloy 625 Modeling of the
lectrochemical Reduction of CO2 on a Cu Electrode under High Pressure.
ate Oxide Integrity by Modifying Crystal Pulling and Its Impact on Device
Films
ion of a Copper/Gold Alloy
by Metalorganic Chemical Vapor Deposition
cal States, and Resistance to Localized Corrosion of Passive Films on an
Resistance to Pitting and Chemical Composition of Passive Films of a
Atomically Resolved STM of Oxide Film Structures on
Fe Incorporation and Precipitation in Semi-Insulating
ishing
Microdefects in Oxide Films Deposited on
In Situ FTIR-ATR Study of p-Silicon Photoelectrode/Potassium
Effects of Toluene and Benzoic Acid on the Kinetics of
Rapidly Quenched Ni64Zr36
lts Electric Double-Layer Capacitor Composed of Activated Carbon
Oxygen Recombination in Sealed Ni-Cd Cells with
Hexafluorophosphate Charge/Discharge Characteristics of Carbon
ld into a Cylindrical Conductor Magnetic
Terminated by a Cylindrical Cell with Inductance Magnetic
tic Field Effects in High-Power Batteries. I. The Penetration of an Electric
Eliminating the Surface Inversion Layer under the
Infrared Laser Measurements of HBr near the
grated PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron Gap
mbient on the Resistance of BF2+ Ion-Implanted Polycrystalline Diamond
estigation of a Poly(pyrrole)/Sulfated Poly(Beta-hydroxyether) Composite
g Interface States in the Silicon/Silicon-Oxide System of an Anodic Oxide
ctrochemical Properties of a Polypyrrole/Polystyrenesulfonate Composite
Process and
Electroless Copper Plating Using ZnO Thin
Intermetallic Compound Formation in Ti/Al Aluminum Alloy Thin
Rotating Disk Studies in Molten Carbonates. II. Meniscus and
Hot Electron Reduction at Etched n-Si/Pt Thin
Based Electrolytes
A Microellipsometric Study of the Passive
down A Microellipsometric Study of the Passive
XPS and STM Investigation of the Passive
Ultraviolet-Induced Deposition of SiO2
(100) Oriented Poly-Si
Situ Multielement XANES Study of Formation and Reduction of the Oxide
A Silane-Based Electroactive
or Deposition Reaction and
Effect of Gas Diffusion Process on Sensing Properties of SnO2 Thin
n Atomically Resolved STM of Oxide
Diamond Resistors Fabricated Monolithically on Diamond
position Substrate Heating on the Electrical Properties of Alpha-Si:H Thin
Thin
Anodic Oxide Films as a Gate Dielectric for a Thin
Study of the Redox Process of Poly(2-Naphthol)
opy Oxygen Reduction at La0.5Sr0.5MnO3 Thin
romic Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine Thin
pectroscopic Ellipsometry Investigation of Amorphous Silicon Nitride Thin
tion pH and Heat-Treatment on the Properties of Electroless Nickel Boron
Fluorine-Passivated Electroless Ni-P
Process and Film Characterization of Chemical-Bath-Deposited ZnS Thin
ents on the Composition and Structure of Electrodeposited CuInSe2 Thin
uring Air Annealing of Chemically Deposited ZnS-CuS and PbS-CuS Thin
The C49 to C54 Phase Transformation in TiSi2 Thin
Fast Electrochromic Switching with Nanocrystalline Oxide Semiconductor
copic Ellipsometry and Atomic Force Microscopy of Polyphenylene Oxide
w-Pressure Chemical-Vapor Deposited Polycrystalline Silicon-Germanium
Structure of TiO2/SiO2 Multilayer
reparation of Microarray Electrodes by Sonochemical Ablation of Polymer
, and B2H6 on the Nucleation and Deposition of Polycrystalline Si1-xGex
ion Studies on Undoped and Ag-Doped YBa2Cu3O7-x Laser Ablated Thin

Evolution of Dislocation Loops in Silicon during Oxidation 3 759
Evolution of Microscopic Surface Topography during Passivation of Alumi 6 1446
Evolution of Ozone 10 2708
Evolution Reaction at Raney Nickel Electrodes in the Presence of Organi 4 975
Evolution Reaction on Porous Lanthanum-Phosphate-Bonded Nickel Elect 5 1225
Examination of Si Substrate Surface after Different Chemical Pretreatmen 2 554
Examination of Structure and Growth Rate of Metalorganic Chemical Vap 3 853
Exchange Current Density of Oxide Cathodes in Molten Carbonates 7 1725
Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. 8 2084
Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. 8 2089
Excited Discrete Chemical Vapor Deposition of Ta2O5 5 1339
Existence of an Underlying SiO2 Layer on the Lateral Solid-Phase Epitaxy 1 186
Expansion of the Electrochemical Window on Proton Addition to a Weakly 3 L19
Experimental Analysis Mass Transport Phenomena in Proton Exc 8 2084
Experimental Design Wetting-in Stu 6 1503
Experimental Observations 1 264
Experimental Study of the Chemical Vapor Codeposition in the Silicon-Bo 2 452
Experiments Chemical Vapor Deposition of Silicon from Disilane un 3 824
Exposures on Si Substrates: A Correlation Between Carrier Lifetime and 11 3230
External and Internal Doping via Electrochemical Copolymerization of Anil 10 2624
External Oxygen into EMD-Derived Manganese Oxides 12 3343
Extremely Low Concentration A Study of 2 366
Extremely Low Resistivities at Low Temperatures 5 1334
Extremely Thin Co-Zr and Pd-Ta Layers with Si(100) 2 519
Extrinsic Conditions for Low Temperature Silicon Homoepitaxy 9 2470

— F —

Fabricated by Electrochemical Vapor Deposition 7 1928
Fabricated by Sol-Gel Process Effect of Gas Diffusion Process on 1 220
Fabricated from Peroxo-Polymolybdate Solution 4 876
Fabricated Monolithically on Diamond Film Substrate 12 3522
Fabricated on CdSe and Sb2S3 Films Chemically Deposited with Silicotun 10 2871
Fabrication Citric Acid Et 12 3526
Fabrication of Vertical Sidewalls by Anisotropic Etching of Silicon (100) W 11 3182
Fabrication on Poly(tetrafluoroethylene) Substrates 12 3556
Facet Sputtering of SiO2 11 3151
Factors Affecting the Conductivity of Copper-Coated Direct Current Electr 9 2513
Factors Contributing to the Initiation and Propagation of the Crevice Corro 11 3006
Factors that Determine the Product Selectivity E 8 2097
Failures Improvement of the G 5 1398
Fast Electrochromic Switching with Nanocrystalline Oxide Semiconductor 7 L82
Fast Impedance Analysis of a Surface Microstructure during Anodic Oxidat 12 3416
Fe Incorporation and Precipitation in Semi-Insulating Fe-Doped InP Grown 1 242
Fe-17%Cr Alloy Chemical Composition, Chemi 1 111
Fe-17%Cr Alloy in Chloride-Containing Acid Solution 10 2669
Fe-Cr Alloys during Passivation in Sulfuric Acid Solution 12 L164
Fe-Doped InP Grown by Metalorganic Chemical Vapor Deposition 1 242
Feature-Scale Fluid-Based Erosion Modeling for Chemical-Mechanical Pol 7 1900
Featured Surfaces of VLSI Substrates by Thermal CVD of TEOS and O2 11 3154
Ferri-Ferrocyanide Electrolyte Interface 12 3389
Ferrous Oxidation on Pt and Nafion-Coated Pt Electrodes 6 1483
Fiber Anodes for Ni/Hydride Rechargeable Batteries 12 3291
Fiber Cloth Electrodes and Solid Polymer Electrolytes Containing Alkylam 7 1730
Fiber Substrates 10 2614
Fiber with Graphite Structure in Organic Electrolytes Containing Lithium T 5 1105
Field Effects in High-Power Batteries. I. The Penetration of an Electric Fie 3 703
Field Effects in High-Power Batteries. II. Time Constant of a Radial Circuit 3 708
Field into a Cylindrical Conductor Magne 3 703
Field Oxide by Low Pressure Rapid Thermal Annealing 9 2488
Filament of a Tungsten Halogen Lamp 6 2024
Fill, Electrostatic Effects Surface Related Phenomena in Inte 8 2172
Film The Effect of Gas A 1 291
Film Electrochemical Quartz Crystal Microbalance Inv 8 2004
Film Modified Constant-Current Anodization. A Promising Mechanis 8 2227
Film and Its Application to Rechargeable Lithium Battery Cathodes 9 2326
Film Characterization of Chemical-Bath-Deposited ZnS Thin Films 1 205
Film Coated on a Glass Substrate 5 L56
Film Couples and Its Role in Electromigration Lifetime 1 302
Film Effects 3 622
Film Electrodes 9 2402
Film Formation on Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 4 865
Film Formation on Al-Ta Alloys. I. Solid Solution Alloys 5 1126
Film Formation on Al-Ta Alloys. II. The Role of Al3Ta Precipitates in Break 5 1132
Film Formed on Cr(110) Single-Crystal Surfaces 11 3016
Film from Tetraethoxysilane Spin-Coated on Si 6 1556
Film Grown by Ultrahigh Vacuum Chemical Vapor Deposition 10 2848
Film on Stainless Steel In 1 L5
Film Prepared in an Imidazolium Chloroaluminate Molten Salt 7 1709
Film Properties of Selective Titanium Silicide Low-Pressure Chemical Vap 7 1879
Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by Sol-Gel 1 220
Film Structures on Fe-Cr Alloys during Passivation in Sulfuric Acid Solutio 12 L164
Film Substrate 12 3522
Film Transistors Effects of Plasma-Enhanced Chemical Vapor De 4 1040
Film Transistors with Graded SiN_x Gate Dielectrics 4 1061
Film Transistor 5 1325
Film Using In Situ Multipie Internal Reflection FTIR Spectroscopy 1 156
Film/Yttria-Stabilized Zirconia Interface Studied by Impedance Spectrosc 8 2118
Films Electroch 1 64
Films S 9 2483
Films The Effect of Solu 1 78
Films 10 2649
Films 1 205
Films Effects of Thermal and Chemical Treatm 1 225
Films Interfacial Diffusion of Metal Atoms d 9 2536
Films 5 1347
Films 7 L82
Films Spectros 1 306
Films Deposition and Properties of Lo 8 2235
Films 1 237
Films P 3 L23
Films Effects of SiH4, GeH4 9 2559
Films Aging Effects and Passivat 6 1611

Blue Photoluminescence from CeCl3 Doped Al2O3 **Films** 10 2860
ptical Characterization of Sulfur-Annealed Chemical-Bath Deposited CdS **Films** Electro-O 11 3238
lectrical Conductance and Electrode Formation in Ion-Implanted Diamond **Films** Patterned E 4 L41
Selectivity Magnetically Enhanced Reactive Ion Etching of Boron Nitride **Films** High 12 3456
Low Temperature Chemical Vapor Deposition Growth of Epitaxial Silicon **Films** Oxygen Incorporation during 5 1284
ssisted Chemical Vapor Deposition and Characterization of Boron Nitride **Films** Plasma-A 6 1633
ding Characteristics on the Corrosion of Plasma-Deposited Silicon Nitride **Films** Effect of Hydrogen Bon 7 1938
Fundamental Study on Electrodeposition of Co and Co-P **Films** 7 1783
Electrolytic Codeposition of Ni-Gamma Al2O3 Thin **Films** 3 669
Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer **Films** 9 2273
d Photoluminescence of Cerium-Activated Alkaline Earth Thiogallate Thin **Films** and Devices Electroluminescence an 10 2877
Anodic Oxide **Films** as a Gate Dielectric for a Thin Film Transistor 5 1325
V2O5 Xerogel **Films** as Intercalation Hosts for Lithium 3 L25
Enhancement of the Reactive Deposition Rate of TiN **Films** at Low Nitrogen Content 1 L8
Deposition of Fluorinated a-SiC **Films** at Room Temperature 12 3562
Preparation of Homogeneous Polycrystalline CuInSe2 Thin **Films** by a Two-Step Chemical-Vapor-Transport Process 2 558
Growth of In2O3 Thin **Films** by Atomic Layer Epitaxy 11 3210
f Magnetic Properties of Chemically Deposited Cobalt Nickel Phosphorus **Films** by Electrolysis Control o 9 2386
Preparation of Thin Perfluorosulfonate Cation-Exchanger **Films** by Plasma Polymerization 9 2350
Preparation and Deposition Mechanism of a-SiC:H **Films** by Using Hexamethyldisilane in a Remote H2 Plasma 10 2910
Low Cost Schottky Barrier Solar Cells Fabricated on CdSe and Sb2S3 **Films** Chemically Deposited with Silicotungstic Acid 10 2871
Physical and Electrical Characteristics of Thin Silicon Nitride Dielectric **Films** Deposited on Smooth and Rugged Polycrystalline Silicon after Rapi 4 1066
Electrical Characteristics of Zinc Sulfide Thin **Films** Deposited by Various Methods 5 1320
Nucleation of In Situ Phosphorus-Doped Amorphous Silicon **Films** Deposited by Pyrolysis of Si2H6 and PH3 5 1365
D of TEOS and O2 Microdefects in Oxide **Films** Deposited on Featured Surfaces of VLSI Substrates by Thermal CV 11 3154
Electrochromic Performances of Polyaniline **Films** during Their Cycling in a pH 3 Electrolyte 10 2682
Coloration Dynamics of Spin-Coated MoO3.nH2O Electrochromic **Films** Fabricated from Peroxo-Polymolybdate Solution 4 876
A Novel Synthetic Route to Nb2O5 Thin **Films** for Electrochromic Devices 3 L29
Covalent Binding of Pd Catalysts to Ligating Self-Assembled Monolayer **Films** for Selective Electroless Metal Deposition 1 210
Preparation and Properties of Sb2S3 Thin **Films** for Photoelectrochemical Applications 7 1779
Characterization of Sputter-Deposited LiMn2O4 Thin **Films** for Rechargeable Microbatteries 12 3296
sometric Analysis of Growth Process and Corrosion Resistance of Nb2O5 **Films** Formed by MOCVD Ellip 6 1669
Kinetic Study of Low-Pressure Chemical Vapor Deposition of Si3N4 Thin **Films** from SiH2Cl2 and NH3 Mass Spectrometric and 12 3505
Growth Rate and Characterization of Silicon Oxide **Films** Grown in N2O Atmosphere in a Rapid Thermal Processor 1 259
Electrochromism of Electrodeposited Tungsten Trioxide **Films**. I. Electrochemical Characterization 7 1758
Content on the Corrosion Resistance of Sputter-Deposited TbFeCo Thin **Films** in Aqueous Environments The Influence of Co 5 1199
, Metallurgical, and Mechanical Behaviors of Rapid Thermal Processed Ti **Films** in NH3 A Study of Electrical 2 479
lectrochemical Behavior of Polyaniline-Poly(styrene sulfonate) Composite **Films** in Organic Electrolyte Solutions E 6 1409
Resistance to Pitting and Chemical Composition of Passive **Films** of a Fe-17%Cr Alloy in Chloride-Containing Acid Solution 10 2669
hium Secondary Batteries Electrochemical Synthesis of Composite **Films** of Manganese Dioxide and Polypyrrole and Their Properties as an A 1 10
chemical Properties of Dip-Coated, Spun and Organic Langmuir-Blodgett **Films** of Polyaniline A Comparative Study of the Electro 6 1573
X-Ray Absorption Study of Electrochemically Grown Oxide **Films** on AlCr Sputtered Alloys. II. In Situ Studies 1 83
by Cathodic Polarization in the Electrical Conduction Behavior of Surface **Films** on Aluminum Changes Produced 1 104
ition, Chemical States, and Resistance to Localized Corrosion of Passive **Films** on an Fe-17%Cr Alloy Chemical Compos 1 111
Chemical Composition of Passive **Films** on AISI 304 Stainless Steel 12 3347
The Dependence of the Stress Chemical Vapor Deposited Tungsten **Films** on Deposition Parameters 3 843
ation Solutions Polyoxometallate-based Layered Composite **Films** on Electrodes. Preparation Through Alternate Immersions in Modific 1 140
l Microbalance to a Study of the Anodic Deposition of PbO2 and Bi-PbO2 **Films** on Gold Electrodes Application of an Electrochemical Quartz 3 652
cture and Growth Rate of Metalorganic Chemical Vapor Deposited Ta2O5 **Films** on Si(100) Ellipsometric Examination of Stru 3 853
psometry Silica **Films** on Silicon. Thickness Measurement by Electron Microscopy and Elli 7 1832
Deposition of Carbonaceous **Films** onto Internal Walls of Tubes 2 374
Surface Analysis and Electrochemistry of MoS2 Thin **Films** Prepared by Intercalation-Exfoliation Techniques 3 629
Photoelectrochemical Properties of Anatase and Rutile **Films** Prepared by the Sol-Gel Method 3 660
position C-V Characteristics of Amorphous Silicon Nitride **Films** Prepared by Hydrogen Radical-Assisted Plasma Chemical Vapor De 3 742
Electrochromic Properties of Tungsten Trioxide Thin **Films** Prepared by Chemical Vapor Deposition 4 1021
Metal Fluoride Thin **Films** Prepared by Atomic Layer Deposition 5 1278
ctural Properties and Growth Mechanism of Copper and Indium Selenide **Films** Prepared by Electrochemical Selenization of Metal Layers Str 6 1566
Electrochromic Properties of Tungsten Trioxide Thin **Films** Prepared by Photochemical Vapor Deposition 9 2435
Electrochromism of Niobium Oxide Thin **Films** Prepared by the Sol-Gel Process 9 2439
Electrochromic Properties of Niobium Oxide Thin **Films** Prepared by Chemical Vapor Deposition 10 2868
Enhanced Electrochromic Property of Nickel Hydroxide Thin **Films** Prepared by Anodic Deposition 12 3439
Surface **Films** Produced by Cathodic Polarization of Aluminum 1 96
Properties of Silver **Films** Sputter-Deposited on Biased Substrates 6 1691
ctivity of Dual-Phase Polymer Electrolytes Comprised of NBR/SBR Latex **Films** Swollen with Lithium Salt Solutions Ionic Condu 8 1989
The Use of Anodic Oxide **Films** to Control the Diffusion of Zinc in GaAs 6 1639
Chemical Bath Deposition of ZnSe and CuSe Thin **Films** Using N,N-Dimethylselenourea 3 802
ycompounds X-Ray Absorption **Fine** Structure Spectra and the Oxidation State of Nickel in Some of Its Ox 6 L69
rious Pt Particles on Carbon Electrode In Situ X-Ray Absorption on **Fine** Structure Study on Structure Transformation and Electronic State of 9 2516
Mg Content Dependence of the Electromigration Resistance of **Fine-Grained** Al-Si Alloys 10 2857
roblems A **Finite-Difference** Method for Pseudo-Two-Dimensional Boundary Value P 1 151
furic Acid Solution The **First** Stages of Dezincification of Freshly Generated Brass Surfaces in Sul 4 912
Fischer-Tropsch Electrochemical CO2 Reduction to Fuels and Chemicals 11 3119
Fixed Charges in Glass 11 3193
Formation Mechanism of Supposed Negative **Flooded-Agglomerate** Model to Study Oxygen Reduction on Thin Porous 2 431
Coating Rotating Disk Electrode Application of the **Flow** 7 L85
Use of Atomic Force Microscopy to Image Surfaces during Fluid **Flow** Limiting Current De 10 2753
nsity on a Line Electrode in the Presence of Tangential, Oscillating Fluid **Flow** Ratio of Silicon Nitride Deposited by Electron Cyclotron Resonance 11 3234
cs and Compositional Dependence on the Microwave Power and SiH4/N2 **Flow-Through** Electrodes. V. Electrowinning of Zinc from Flowing Alkaline 2 441
Zincates at Packed-Bed Electrodes Applications of Porous **Flow-Through** Reactor Model 10 2742
The Electrocatalytic Hydrogenation of Glucose. II. Raney Nickel Powder **Flowing** Alkaline Zincates at Packed-Bed Electrodes Applic 2 441
ations of Porous Flow-Through Electrodes. V. Electrowinning of Zinc from **Flows** in Semiconducting CoO 10 2789
Electrochemical Study of the Cross Effect Between Ion and Electron **Fluctuations** of Permeation Rate Through an Iron Membrane Induced by 8 2059
Hydrogen Bubbles **Fluid** Flow 7 L85
Use of Atomic Force Microscopy to Image Surfaces during **Fluid** Flow Limiting Curr 10 2753
ent Density on a Line Electrode in the Presence of Tangential, Oscillating **Fluid-Based** Erosion Modeling for Chemical-Mechanical Polishing 7 1900
Feature-Scale **Fluoride** 10 2642
Anodic Oxidation of Sulfide Ions in Molten Lithium **Fluoride** and Oxofluoride Melts 11 2982
Electrochemical Study of Tantalum in **Fluoride** by a Surfactant Addition Prevention of Micro 10 2899
roughness Generation on the Silicon Wafer Surface in Buffered Hydrogen **Fluoride** Media: A Comparison of Diamond, HOPG, and Glassy Carbon El 12 3382
ectrodes The Susceptibility to Surface Corrosion in Acidic **Fluoride** Melts 5 1212
The Influence of Oxide on the Electrodeposition of Niobium from Alkali **Fluoride** Thin Films Prepared by Atomic Layer Deposition 5 1278
Metal **Fluorinated** a-SiC Films at Room Temperature 12 3562
Deposition of **Fluorine-Enhanced** Boron Migration into Oxide from Underlying Silicon 5 1381
Fluorine-Passivated Electroless Ni-P Films 10 2649
Fluorochlorocarbon Ionomer Films 9 2273
Plasma Polymerization of Sulfonated **Flux** 11 3188
Local Environment of Ce3+ Ions in CaS Prepared With or Without **Flux** Calculations in Plasma Etching for Cylindrical Trench Holes 9 2453
Neutral Particle **Focal-Plane** Array Applications CdZnTe on 10 2888
Si(001) and Si(112): Direct MBE Growth for Large-Area HgCdTe Infrared **Foil.** III. Mathematical Model 3 679
Anisotropic Chemical Pattern Etching of Copper **Foils** Electrodeposited from Acid Zinc Sulfate Solutions 10 2698
Ductility and Crystallographic Structure of Zinc **Force** Method Determination o 4 927
f Thermodynamic Properties of Ternary Al-Cu-Zn Alloys by Electromotive **Force** Microscope Tip-Surface Interaction 4 L43
Selected Dissolution of Aluminum Initiated by Atomic **Force** Microscopy to Image Surfaces during Fluid Flow 7 L85
Use of Atomic

In Situ Atomic
Spectroscopic Ellipsometry and Atomic
Use of In Situ Atomic
Use of In Situ Atomic
Atomic
Contamination Determination for Silicon Carbide Cantilever
Synthesis of Hollandite-Type Manganese Dioxide with H+
AC Impedance and Conductivity Study of Alkali Salt
Direct Nickel Plating on Aluminum Substrate for Microbump
Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric Study of Impurity
Electrical Charge and HF Concentration Effect on Porous Silicon
In Situ Multielement XANES Study of
In Situ Scanning Tunneling Microscopy Studies of the
Shallow Boron-Doped Layer
Simultaneously: Al-Cu CVD Interconnection
Patterned Electrical Conductance and Electrode
Interdiffusion, Phase Transformation, and Epitaxial CoSi2
romigration Lifetime Intermetallic Compound

zene
ties at Low Temperatures The
of Tungsten On the
Shape
The Electrochemical Oxidation of Silicon and
Uniformity of the N2O Furnace Oxynitride Process for the
A Microellipsometric Study of the Passive Film
n A Microellipsometric Study of the Passive Film
ed Electrolytes Film
Hydrous Oxide
Solid-State Redox Reactions of LiCoO2 (R3m) for
The Electronic and Ionic Contributions to the
High-Selectivity and High-Deposition Rate Tungsten CVD
nce and Spacing of Zinc Striations. I. Determination of Preferred Striation
Growth of ZnGa2O4 Phosphor by Radio
Prediction of Ion Energy and Angular Distributions in Single and Dual
The First Stages of Dezincification of
rocess of Poly(2-Naphthol) Film Using In Situ Multiple Internal Reflection
sphine, and Cyclopentylphosphine during InP MOCVD Growth Studied by
Deposition Precursors on Silica. III.
Deposition Precursors on Silica. IV.
Electrolyte Interface In Situ
Electroless Deposition of Electrodes in Solid-Oxide
ile Tests of Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polymer
atalyzed-Reaction Layer for Medium Temperature Operating Solid Oxide
erformance of Platinum Ternary Alloy-Oxide in Solid-Polymer-Electrolyte
luation of an Effective Platinum Metal Surface Area in a Phosphoric Acid
High Performance Solid Oxide
sis Mass Transport Phenomena in Proton Exchange Membrane
is Mass Transport Phenomena in Proton Exchange Membrane
Physical Properties of Mixed Conductor Solid Oxide
and Stability of Ordered and Disordered Co-Pt Alloys for Phosphoric Acid
ynthesis and Performance of LiCoO2 Cathodes for the Molten Carbonate
nt of Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric Acid
Phosphoric Acid Impurities in Phosphoric Acid
tinum Electrodes Phosphorous Acid Impurities in Phosphoric Acid
y of NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for Molten Carbonate
Low Temperature Operation of Solid Oxide
2% Platinum-H2WO4 Based Electrocatalysts for Phosphoric Acid
A Correlative Study Between Rotating Disk and Solid Polymer Electrolyte
Fischer-Tropsch Electrochemical CO2 Reduction to
ia. V. Electrochemical Analysis of the Oxygen Reduction Mechanism at a
scopy A Transfer
Oxidation of 6H-SiC as a
in Sulfuric Acid Electrolyte on Platinized-Carbon Electrodes with Several

perature Profile in a Multiwafer Low Pressure Chemical Vapor Deposition
Dielectrics Degradation of Alpha-Si/Co/SiO2/Si Structure during
Uniformity of the N2O
lamination Determination for Silicon Carbide Cantilever Forks in Diffusion
er Transient Deformation during Insertion/Withdrawal into/from Horizontal
Electrochemical Techniques for Studying Electrodeposition of Niobium in
GaAs Low Temperature

Force Microscopy Study of the Plating and Stripping of Silver 1 116
Force Microscopy of Polyphenylene Oxide Films 1 306
Force Microscopy to Image Copper Electrodeposits on Platinum 5 1186
Force Microscopy to Image Corrosion at Inclusions 6 1439
Force Microcopy Observation of Si(100) Surface after Hydrogen Annealing 11 3259
Forks in Diffusion Furnaces 5 1304
Form for Lithium Rechargeable Battery 10 L135
Form Perfluorosulfonate Ionomer Membranes 2 448
Formation 7 1791
Formation Phosphorous Acid Impurities in 12 3325
Formation 3 689
Formation and Reduction of the Oxide Film on Stainless Steel 1 L6
Formation and Reduction of a Gold Oxide Monolayer on Au(111) 5 1291
Formation by Boron Diffusion from Poly-Si Through Thin SiO2 6 1702
Formation by Doping Chemical-Vapor-Deposition Aluminum with Copper 12 3494
Formation in Ion-Implanted Diamond Films 4 L41
Formation in Multilayer Co/Ti-Si(100) System 12 3480
Formation in Ti/Al Aluminum Alloy Thin Film Couples and Its Role in Elect 1 302
Formation Mechanism of Supposed Negative Fixed Charges in Glass 11 3193
Formation of a Silver-Rich Surface Layer on Electrodeposited CdTe 2 529
Formation of a Bilayer by Electrochemical Oxidation of 1,3-Dimethoxyben 5 1109
Formation of Boron-Doped Polycrystalline Si with Extremely Low Resistivi 5 1334
Formation of Defects and Morphology during Chemical Vapor Deposition 8 2193
Formation of Electrodeposited Gold Bumps 6 1644
Formation of Porous Silicon in Acetonitrile 4 1006
Formation of Thin Tunnel Dielectrics 12 3500
Formation on Al-Ta Alloys. I. Solid Solution Alloys 5 1126
Formation on Al-Ta Alloys. II. The Role of Al3Ta Precipitates in Breakdow 5 1132
Formation on Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Bas 4 865
Formation on Platinum in Phosphoric Acid Solution 9 2361
Four-Volt Secondary Lithium Cells 11 2972
Free Energy of Alkali Metals in Intercalation Compounds 9 2297
Freed from Chamber Cleaning 2 566
Frequency On the Emerge 6 1477
Frequency Magnetron Sputtering 6 1617
Frequency Plasmas 5 1313
Freshly Generated Brass Surfaces in Sulfuric Acid Solution 4 912
FTIR Spectroscopy Study of the Redox P 1 156
FTIR Spectroscopy. Criteria for the Design of Organophosphine Precursor 7 1886
FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor 12 3539
FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical Vapor 12 3547
FTIR-ATR Study of p-Silicon Photoelectrode/Potassium Ferri-Ferrocyanide 12 3369
Fuel Cells 8 L94
Fuel Cells L 9 L132
Fuel Cells High Performance C 2 342
Fuel Cells Improved Electrocatalytic Oxygen Reduction P 4 968
Fuel Cell Eva 7 1804
Fuel Cell Cathode Fabricated by Electrochemical Vapor Deposition 7 1928
Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analy 8 2084
Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analys 8 2089
Fuel Cell Anodes of Doped CeO2 8 2122
Fuel Cells Activity 10 2658
Fuel Cell (MCFC) S 11 2959
Fuel Cells Limiting Curre 11 3114
Fuel Cell Electrolytes. I. Voltammetric Study of Impurity Formation 12 3325
Fuel Cell Electrolytes. II. Effects on the Oxygen Reduction Reaction at Pla 12 3332
Fuel Cells A Comparative Stud 12 3429
Fuel Cell with a ZrO2-Sc2O3-Al2O3 System Electrolyte 12 3450
Fuel-Cell Cathode 8 L92
Fuel-Cell Electrodes Electrocatalytic Activity of Nafion-Impregnated 1 41
Fuels and Chemicals 11 3119
Fully Immersed Gold Electrode Gas Electrode Reactions in Molten 5 1191
Function Approach for a Generalized Electrochemical Impedance Spectro 5 1147
Function of Doping Concentration and Temperature 8 2262
Functional-Group Characteristics Electro-oxidation of Methanol 6 1517
Fundamental Study on Electrodeposition of Co and Co-P Films 7 1783
Furnace Modeling the Wafer Tem 1 161
Furnace Annealing 7 1931
Furnace Oxynitride Process for the Formation of Thin Tunnel Dielectrics 12 3500
Furnaces Con 5 1304
Furnaces In Situ Observation System for Silicon Waf 5 1299
Fused NaCl-KCl Transient 12 3306
Fusion Bonding 11 3242

— G —

The Use of Anodic Oxide Films to Control the Diffusion of Zinc in
Effect of Ion Energy on the Diffusion of Si Implanted into
Surface Damage on
Hopping Conduction in Molecular Beam Epitaxial
pitaxy Effect of Pt/Al2O3 Catalyst on

Distribution of Photoresist over
Luminescence Characterization of In0.12Ga0.88As0.34P0.66 Grown on
ion Citric Acid Etching of
ior of Zero-Bias Photocurrent at Low Temperature in Bulk Semi-Insulating
Passivity Breakdown on Solid Versus Liquid
Modeling of Charge Carrier Transport in Photoetching of
Used in the Microelectronics Industry A
del Hydrogen Surface Concentration and Overpotential for
aiculations Hydrogen Surface Concentration and Overpotential for
Three-Dimensional Thermal Modeling of Lithium-Polymer Batteries under
of Lithium and Quaternary Ammonium Salts in Propylene Carbonate and
n Integrated PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron
mond Film The Effect of
Dilution Calibration System for Calibrating Analytical Instruments Used in
nO2 Layer-Built Structure Fabricated by Sol-Gel Process Effect of
Oxygen Reduction Mechanism at a Fully Immersed Gold Electrode
Metal Impurity Evaluation in Silane
Effects of Na2CO3 Addition on the
High Ammonia Sensitive Semiconductor
or Deposition Simulation of Rarefied
ture and Total Hydrocarbon Contributions by Valves Used in Clean Room

GaAs 6 1639
GaAs 8 2245
GaAs Etched Using a Multipolar Electron Cyclotron Resonance Source 1 255
GaAs Grown at Very Low Temperatures 3 747
GaAs Grown by Low Pressure TEAs-TMGa Organometallic Vapor-Phase E 9 2573
GaAs Low Temperature Fusion Bonding 11 3242
GaAs Mesa Structures 2 576
GaAs0.61P0.39 Substrates by Liquid-Phase Epitaxy 8 2211
GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for Heterostructure Device Fabricat 12 3526
GaAs:Cr Spectral Behav 9 2533
Gallium 10 2645
Gallium Arsenide 2 546
Galvanic Series for Thin-Film Metallizations and Barrier Layers Commonly 3 807
Galvanostatic Discharge of Hydride Electrodes. I. Development of the Mo 8 2108
Galvanostatic Discharge of Hydride Electrodes. II. Quantitative Numerical 8 2113
Galvanostatic Discharge and Dynamic Power Profile 11 2947
Gamma-Butyrolactone Mobility and Ionic Association 12 3336
Gap Fill. Electrostatic Effects Surface Related Phenomena i 8 2172
Gas Ambient on the Resistance of BF2+ Ion-Implanted Polycrystalline Dia 1 291
Gas Analysis Dynamic 1 184
Gas Diffusion Process on Sensing Properties of SnO2 Thin Film Sensors i 1 220
Gas Electrode Reactions in Molten Carbonate Media. V. Electrochemical A 5 1191
Gas from the Qualification of Poly-Si Layers 1 274
Gas Sensing Characteristics of CuO/ZnO Heterocontact 5 L53
Gas Sensors with Double-Layer Structure and Interface Electrodes 4 1028
Gas Transport and Profile Evolution in Nonplanar Substrate Chemical Vap 9 2545
Gas-Delivery Systems Measurement of Mois 6 1653

Limiting Current of Oxygen Reduction on
Measurement of Particle Emissions from Clean Room
Shallow n+ Junctions in Silicon by Arsenic

sure Chemical Vapor Deposition
hing Solution for the Determination of the Crystallographic Orientation of
The Chemical Etching of
Effect of Carrier
hrotron Radiation-Assisted Si Epitaxial Growth Using Si2H6 and SiH2Cl2
Thin Film Transistors with Graded SiNx
Anodic Oxide Films as a
Insight into
Failures Improvement of the
nted MoSi2 on Polycrystalline Silicon
ng a New Concept of Surface Gettering Optimization of Ultrathin
ties on the Luminescence Quantum Efficiency of the Lamp Phosphor (Ce,
Gex Films Effects of SiH4,
ed Electrochromic Windows Based on Nickel Oxide, Tungsten Oxide, and
mical Kinetic Studies Cycloaliphatic Epoxide-Based Photocured
A Transfer Function Approach for a
The First Stages of Dezincification of Freshly
Chemical Attack on Polypyrrole by Electrolytically
Surface Analysis of Si(111) Wafers Using Second Harmonic
xide Semiconductor Measurements Determination of

y a Surfactant Addition Prevention of Microroughness
ed Resists Using 1,2-Naphthoquinone Diazide-4-Sulfonates as Photoacid
Structures Pattern
lation Process for Advanced ULSI. Introducing a New Concept of Surface
The Development of an Anisotropic Si Etch Process Selective to
Electrodeposition of Al-Cr Metallic
Formation Mechanism of Supposed Negative Fixed Charges in
nealing Process Improved Phosphosilicate
Electroless Copper Plating Using ZnO Thin Film Coated on a
old Ultramicroelectrode for Voltammetric Studies at High Temperature in
Protonic Conduction Phosphate
ng the Electrodeposition of Body-Centered Cubic Thallium(III) Oxide onto
ages of Pd Particles Supported on Highly Oriented Pyrolytic Graphite and
orrosion in Acidic Fluoride Media: A Comparison of Diamond, HOPG, and

k Erosion A New
catalytic Hydrogenation of Glucose. I. Kinetics of Hydrogen Evolution and
Raney Nickel Powder The Electrocatalytic Hydrogenation of
The Electrocatalytic Hydrogenation of
Electrocatalytic Oxidation of
Electroless Copper Deposition Process Using
Shape Formation of Electrodeposited
Poisoning and Activation of the
lance to a Study of the Anodic Deposition of PbO2 and Bi-PbO2 Films on
emical Analysis of the Oxygen Reduction Mechanism at a Fully Immersed
Kinetics of Roughness Relaxation at
nning Tunneling Microscopy Studies of the Formation and Reduction of a
Glass-Corrosive Media (Molten Carbonate at 650 C) Design of a
Thin Film Transistors with

Resolution Images of Pd Particles Supported on Highly Oriented Pyrolytic
clic Voltammetry of the Uranyl Ion in Magnesium Chloride Electrolyte at a
AC Impedance Studies of Highly Oriented Pyrolytic
ophosphate Charge/Discharge Characteristics of Carbon Fiber with
The Synthesis and Particle Growth Mechanism of Bright
Effect of SiO2 Colloid on the Electrodeposition of Zinc-Iron
Hopping Conduction in Molecular Beam Epitaxial GaAs
nd Ethylene Morphological Structure of Silicon Carbide
Effect of Pt/Al2O3 Catalyst on GaAs
Fe Incorporation and Precipitation in Semi-Insulating Fe-Doped InP
nd Oxidation Parameters on the Electrical Characteristics of Thin Oxides
(100) Oriented Poly-Si Film
Growth Rate and Characterization of Silicon Oxide Films
Ion Implantation in Beta-SiC Layers
Characterization and Elimination of Defects in Oxide Layers
Luminescence Characterization of In0.12Ga0.88As0.34P0.66
X-Ray Absorption Study of Electrochemically
andom Access Memory Devices The Effect of the Crystal
ed Chromium-Aluminide Coatings. II. Kinetics and Morphology of Coating
etastable Pitting of Aluminum and Criteria for the Transition to Stable Pit
Selectivity Mechanisms in Low Pressure Selective Epitaxial Silicon
ocessing Mechanism of Metallic Particle
The Kinetics of Very Low Temperature (300 C) Silicon Epitaxial
oexcited Hydrogen in Si CVD with SiH2Cl2
CdZnTe on Si(001) and Si(112): Direct MBE
ics and Scale Morphology The Role of Reactive Elements on Scale
ahigh Vacuum Rapid Thermal Chemical Vapor Deposition Reactor
The Synthesis and Particle
trochemical Selenization of Metal Layers Structural Properties and
H2O Addition Only The Physicochemical Properties and
The Initial
xygen Incorporation during Low Temperature Chemical Vapor Deposition

Epitaxial

CVD Ellipsometric Analysis of
mosphere in a Rapid Thermal Processor
Si(100) Ellipsometric Examination of Structure and
osphine, Benzylphosphine, and Cyclopentylphosphine during InP MOCVD
c Centimeter A Czochralski Silicon
ure Region Synchrotron Radiation-Assisted Si Epitaxial

Synthesis of Hollandite-Type Manganese Dioxide with
In Situ Remote
n Mechanism of a-SiC:H Films by Using Hexamethyldisilane in a Remote
Nickel Pattern Electrodes on YSZ and Their Electrochemical Properties in

Gas-Diffusion Electrodes for Phosphoric Acid Fuel Cells 11 3114
Gas-Handling Components 6 1549
Gas-Phase Doping 5 1378
Gas-Phase Precursors to Diamond and the sp2 Carbon Impurity 8 2161
Gas-Phase Reaction Study of Disilane Pyrolysis: Applications to Low Pres 8 2135
GaSb by Optical Reflectograms Chemical Etc 8 2220
GaSb in Br2-Methanol Solutions 11 3264
Gases on the Chemical Vapor Deposition of Tungsten from WF6-SiH4 2 475
Gases. Properties in the Low Temperature Region Sync 6 1562
Gate Dielectrics 4 1061
Gate Dielectric for a Thin Film Transistor 5 1325
Gate Oxide Thinning 3 750
Gate Oxide Integrity by Modifying Crystal Pulling and Its Impact on Device 5 1398
Gate Oxide Degradation Caused by Anomalous Oxidation of BF2 Ion Impla 9 2552
Gate Oxide in a SILO/RTN Isolation Process for Advanced ULSI. Introduci 10 2811
Gd, Tb)MgB5O10 Influence of Impuri 8 2201
GeH4, and B2H6 on the Nucleation and Deposition of Polycrystalline Si1-x 9 2559
Gel Electrolytes Laminat 4 1025
Gelled Electrolytes for Secondary Lithium Battery Applications. Electroche 6 1414
Generalized Electrochemical Impedance Spectroscopy 5 1147
Generated Brass Surfaces in Sulfuric Acid Solution 4 912
Generated Solution Species in Aqueous Chloride Medium 11 2942
Generation 11 3145
Generation Lifetime in Trap-Rich and Layered Semiconductors by Metal O 8 2151
Generation Mechanism of Photoresist Residue after Ashing 9 2487
Generation on the Silicon Wafer Surface in Buffered Hydrogen Fluoride b 10 2899
Generators Chemically Amplifi 11 3141
Geometry Effects in the Chemical-Mechanical Polishing of Inlaid Copper 10 2842
Gettering Optimization of Ultrathin Gate Oxide in a SILO/RTN Iso 10 2811
GexSi1-x Underlayers 2 507
Glass 9 L115
Glass 11 3193
Glass Passivation Against Cu Contamination Using the Rapid Thermal An 3 734
Glass Substrate 5 L56
Glass-Corrosive Media (Molten Carbonate at 650 C) Design of a G 8 2015
Glasses 6 L64
Glassy Carbon Evolution of Crystallinity duri 9 2391
Glassy Carbon High-Resolution Im 9 2511
Glassy Carbon Electrodes The Susceptibility to Surface C 12 3382
Global Model of Plasma Chemistry in a High Density Oxygen Discharge 6 1546
Global Planarization Technique Utilizing In Situ Isotropic Photoresist Mas 1 251
Glucose Hydrogenation on Raney Nickel Powder The Electro 10 2729
Glucose. I. Kinetics of Hydrogen Evolution and Glucose Hydrogenation on 10 2729
Glucose. II. Raney Nickel Powder Flow-Through Reactor Model 10 2742
Glycerol. I. Behavior of Palladium Electrode in Alkaline Medium 3 725
Glyoxylic Acid as a Reducing Agent 3 730
Gold Bumps 6 1644
Gold Cathode during Electroreduction of CO2 5 L58
Gold Electrodes Application of an Electrochemical Quartz Crystal M 3 652
Gold Electrode Gas Electrode Reactions in Molten Carbonate Medi 5 1191
Gold Electrodes 9 2291
Gold Oxide Monolayer on Au(111) In Situ Sca 5 1291
Gold Ultramicroelectrode for Voltammetric Studies at High Temperature in 8 2015
Graded SiNx Gate Dielectrics 4 1061
Grain-Size Effects in Tungsten Oxide-Based Sensor for Nitrogen Oxides 8 2207
Graphite and Glassy Carbon High- 9 2511
Graphite Electrode in Weakly Acidic and Neutral Solutions Cy 2 311
Graphite in 1 M NaOH Solution 10 2716
Graphite Structure in Organic Electrolytes Containing Lithium Trifluoromet 5 1105
Green Phosphor YAG:Tb 5 1252
Group Metal Alloy Composites 4 954
Grown at Very Low Temperatures 3 747
Grown by Chemical Vapor Deposition on Titanium Carbide Using Silane a 3 765
Grown by Low Pressure TEAs-TMGa Organometallic Vapor-Phase Epitaxy 9 2573
Grown by Metalorganic Chemical Vapor Deposition 1 242
Grown by Rapid Thermal Oxidation of Si in N2O Effects of Oxide Th 11 3222
Grown by Ultrahigh Vacuum Chemical Vapor Deposition 10 2848
Grown in N2O Atmosphere in a Rapid Thermal Processor 1 259
Grown on (100)Si 12 3489
Grown on Czochralski Silicon Substrates 9 2460
Grown on GaAs0.61P0.39 Substrates by Liquid-Phase Epitaxy 8 2211
Grown Oxide Films on AlCr Sputtered Alloys. II. In Situ Studies 1 83
Grown-in Defects on the Pause Tail Characteristics of Megabit Dynamic R 7 1872
Growth Codeposit 10 2690
Growth M 11 3028
Growth 4 1046
Growth and Metal-Induced Pitting on Si Wafer Surface in Wet Chemical Pr 10 2834
Growth by Confined Plasma Enhanced Chemical Vapor Deposition 12 3584
Growth Defect Observation with Pyramidal Hillock and Reduction by Phot 9 2567
Growth for Large-Area HgCdTe Infrared Focal-Plane Array Applications 10 2888
Growth in High-Temperature Oxidation of Pure Nickel, Iron, Cobalt and Co 7 1905
Growth Kinetics, Silicon Nucleation on Silicon Dioxide, and Selective Epit 11 3269
Growth Mechanism of Bright Green Phosphor YAG:Tb 5 1252
Growth Mechanism of Copper and Indium Selenide Films Prepared by Ele 6 1566
Growth Mechanism of Oxide (SiO2-xFx) by Liquid Phase Deposition with 11 3177
Growth Mechanism of Silicon Oxide by Liquid-Phase Deposition 11 3214
Growth of Epitaxial Silicon Films O 5 1284
Growth of In2O3 Thin Films by Atomic Layer Epitaxy 11 3210
Growth of SiC on Sapphire Substrates with an AlN Buffer Layer 2 510
Growth of ZnGa2O4 Phosphor by Radio Frequency Magnetron Sputtering 6 1617
Growth Process and Corrosion Resistance of Nb2O5 Films Formed by MO 6 1669
Growth Rate and Characterization of Silicon Oxide Films Grown in N2O At 1 259
Growth Rate of Metalorganic Chemical Vapor Deposited Ta2O5 Films on 3 853
Growth Studied by FTIR Spectroscopy. Criteria for the Design of Organop 7 1886
Growth Technique Which Reduces Carbon to the Order of 10^14 per Cubi 8 2216
Growth Using Si2H6 and SiH2Cl2 Gases. Properties in the Low Temperat 6 1562

— H —

H+ Form for Lithium Rechargeable Battery 10 L135
H-Plasma Cleaning of Patterned Si-SiO2 Surfaces 11 3136
H2 Plasma Preparation and Deposition 10 2910
H2-H2O Atmospheres Preparation of 8 2129

Kinetics of the Electrode Reaction at the
Growth Mechanism of Oxide (SiO2-xFx) by Liquid Phase Deposition with
Sorption/Desorption at/within Oxide-Derived Pd Electrodes in NaOH and
xes in the Vapor of the Na-Sn-Br-I System and Their Relevance for Metal
Infrared Laser Measurements of HBr near the Filament of a Tungsten
lectrochemically Layered Copper-Nickel Nanocomposites with Enhanced
Application of
Surface Analysis of Si(111) Wafers Using Second
Infrared Laser Measurements of
ton Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid The Ternary
Electrochemical Oxidation of Manganese(II) in
Theory of Thermocells. Transported Entropies and
A Monte Carlo Simulation Study of Radiation
The Effect of Solution pH and
Prevention of Resist Pattern Collapse by Resist
Effects of Plasma-Enhanced Chemical Vapor Deposition Substrate
The Single-Electrode Peltier
Oxidation-Enhanced Diffusion of Boron and Phosphorus in
ance for Metal Halide Lamps Study of the
ects of Na2CO3 Addition on the Gas Sensing Characteristics of CuO/ZnO
iafulvalene in Ambient Temperature Chloroaluminate Molten Salts
CuInS2 with Lamellar Morphology. II. Photoelectrochemical Behavior of
Citric Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and InAs for
Laser-Enhanced Material Selectivity in N-GaAs/N-Al0.4Ga0.6As
al Vapor Deposition of Tungsten by the Hydrogen Reduction of Tungsten
rganic Electrolytes Containing Lithium Trifluoromethylsulfate and Lithium
Preparation and Deposition Mechanism of a-SiC:H Films by Using
Electrical Charge and
A Study of the Dissociation State and the SiO2 Etching Reaction for
On the Electrical Impedance Due to the Anodic Dissolution of Silicon in
lectropolishing Layer during Anodic Etching of p-Type Silicon in Aqueous
Reflection Infrared Spectroscopy Hydrogen Passivation of
Interface Layer Between a Low Temperature Silicon Epitaxial Layer and
CdZnTe on Si(001) and Si(112): Direct MBE Growth for Large-Area
High-Selectivity and
ling Time and Temperature Dependence of Electrical Dopant Activation in
ical Conductor Magnetic Field Effects in
a Cylindrical Cell with Inductance Magnetic Field Effects in
olytic Graphite and Glassy Carbon
amber Cleaning
Thermal Component of the Optical Response of Thin-Film
ale Morphology The Role of Reactive Elements on Scale Growth in
Growth Defect Observation with Pyramidal
Behavior of TiN and Ti Barrier Metals in Al-Barrier-Al Via
eutral Particle Flux Calculations in Plasma Etching for Cylindrical Trench
ble Battery Synthesis of
Extrinsic Conditions for Low Temperature Silicon
silane. Thermodynamic Analysis and Kinetic Modeling On the
nt Temperature Chloroaluminate Molten Salts Heterogeneous and
al-Vapor-Transport Process Preparation of
to Surface Corrosion in Acidic Fluoride Media: A Comparison of Diamond,
w Temperatures
ilicon Wafer Transient Deformation during Insertion/Withdrawal into/from
ers Partially Immersed Cylindrical
V2O5 Xerogel Films as Intercalation
alysis of Current/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence for
High Temperature Deposition of SiO2 on
Decomposition of Alkoxysilanes on the Surface of a
yte A New Potential-Type
Capacitive-Type
Role of Thallium as a Hydrogen Entry Promoter on Cathodically Polarized
Influence of Antimony on the Structure and the Degree of
Electrochemical Evaluation of La-Ni-Sn Metal
Surface Concentration and Overpotential for Galvanostatic Discharge of
Surface Concentration and Overpotential for Galvanostatic Discharge of
Systems Measurement of Moisture and Total
Use of Atmospheric Pressure Ionization Mass Spectrometry to Monitor
Quartz Crystal Electrogravimetry with Controlled
ential Observations
g
The Etching Mechanisms of SiO2 in
Defects Induced in p-Type Silicon by Photocathodic Charging of
Use of Underpotential Deposition of Zinc to Mitigate
etic Study of Titanium Nitride Chemical Vapor Deposition Using Nitrogen,
Atomic Force Microcopy Observation of Si(100) Surface after
Silicon Nitride Films Effect of
Measurement of Interfacial Re-equilibration during
Fluctuations of Permeation Rate Through an Iron Membrane Induced by
Electrical Conductivity Measurement in Liquified
ybdenum, Nickel-Tungsten, Cobalt-Molybdenum, and Cobalt-Tungsten as
The Role of Thallium as a
of Organic Compounds Study of the Mechanism of the
Physicochemical Properties of Alkaline Solutions and Temperature on the
The Electrocatalytic Hydrogenation of Glucose. I. Kinetics of
n of Microroughness Generation on the Silicon Wafer Surface in Buffered
Nucleation on Silicon Dioxide, and Selective Epitaxy Using Disilane and
efect Observation with Pyramidal Hillock and Reduction by Photoexcited
Electrochemical Adsorption-Desorption of
ated by Multiple Internal Reflection Infrared Spectroscopy
on to a Membrane Reactor Electrochemical
ctor Simultaneous Synthesis of Ozone and
C-V Characteristics of Amorphous Silicon Nitride Films Prepared by
SiO2 during the Selective Chemical Vapor Deposition of Tungsten by the
Characteristics and Modeling of a Solid State
A New
aOH and H2SO4 Voltammetric Investigation of
harge of Hydride Electrodes. I. Development of the Model
rge of Hydride Electrodes. II. Quantitative Numerical Calculations
Surface Electronic Properties of Electrolytically
Hydrogenation on Raney Nickel Powder The Electrocatalytic
r Model The Electrocatalytic
Hydrogenation of Glucose. I. Kinetics of Hydrogen Evolution and Glucose

H2-H2O Porous Pt/Stabilized Zirconia Interface 6 1674
H2O Addition Only The Physicochemical Properties and 11 3177
H2SO4 Voltammetric Investigation of Hydrogen 11 2996
Halide Lamps Study of the Heterocomple 10 2774
Halogen Lamp 8 2024
Hardness E 1 L10
Harmonic Analysis in the Measuring Technique of Corrosion 8 2068
Harmonic Generation 11 3145
HBr near the Filament of a Tungsten Halogen Lamp 8 2024
HCl:ImCl:AlCl3 Ambient-Temperature Molten Salt System. Expansion of t 3 L19
HClO4 Solutions 9 2422
Heat of Transfer in Sulfate Mixtures 5 1236
Heat Transfer in the Multiwafer LPCVD Reactor 2 496
Heat-Treatment on the Properties of Electroless Nickel Boron Films 1 78
Heating during Rinsing 12 L169
Heating on the Electrical Properties of Aipha-Si:H Thin Film Transistors 4 1040
Heats of Li-Al Alloy Electrodes in LiCl-KCl Eutectic System 11 3096
Heavily Doped Layers in Silicon 4 1074
Heterocomplexes in the Vapor of the Na-Sn-Br-I System and Their Relev 10 2774
Heterocontact Eff 5 L53
Heterogeneous and Homogeneous Electron Transfer Reactions of Tetrath 7 1713
Heterogeneous Material 5 1100
Heterostructure Device Fabrication 12 3526
Heterostructures 10 2893
Hexafluoride Nucleation on SiO2 during the Selective Chemic 12 3532
Hexafluorophosphate Charge/Discharge Characteristics of Carbon 5 1105
Hexamethyldisilane in a Remote H2 Plasma 10 2910
HF Concentration Effect on Porous Silicon Formation 3 689
HF Solutions of Extremely Low Concentration 2 386
HF Solutions 3 697
HF Solutions Characterization of the E 8 2049
HF-Last Cleaned (100) Silicon Surfaces Investigated by Multiple Internal 11 3128
HF-Treated Silicon Substrate X-Ray Reflectivity Measurement of an 5 1370
HgCdTe Infrared Focal-Plane Array Applications 10 2898
High-Deposition Rate Tungsten CVD Freed from Chamber Cleaning 2 566
High-Dose BF2 Ion Implanted Silicon The Annea 11 3158
High-Power Batteries. I. The Penetration of an Electric Field into a Cylindr 3 703
High-Power Batteries. II. Time Constant of a Radial Circuit Terminated by 3 708
High-Resolution Images of Pd Particles Supported on Highly Oriented Pyr 9 2511
High-Selectivity and High-Deposition Rate Tungsten CVD Freed from Ch 2 566
High-Tc Superconductors 3 810
High-Temperature Oxidation of Pure Nickel, Iron, Cobalt and Copper. I. O 7 1905
Hillock and Reduction by Photoexcited Hydrogen in Si CVD with SiH2Cl2 9 2567
Hole Metallization 4 1056
Holes N 9 2453
Hollandite-Type Manganese Dioxide with H+ Form for Lithium Rechargea 10 L135
Homoepitaxy 9 2470
Homogeneous Chemistry of the Thermal Decomposition of Methyltrichloro 6 1509
Homogeneous Electron Transfer Reactions of Tetrathiafulvalene in Ambie 7 1713
Homogeneous Polycrystalline CuInSe2 Thin Films by a Two-Step Chemic 2 558
HOPG, and Glassy Carbon Electrodes The Susceptibility 12 3382
Hopping Conduction in Molecular Beam Epitaxial GaAs Grown at Very Lo 3 747
Horizontal Furnaces In Situ Observation System for S 5 1299
Horizontally Revolving Electrodes for the Production of Conducting Polym 1 147
Hosts for Lithium 3 L25
Hot Electron Reduction at Etched n-Si/Pt Thin Film Electrodes 9 2402
Hot Electron Reduction An 12 3375
Hot Wires by Decomposition of Tetraethoxysilane 2 514
Hot Wire-Study of Decomposition Mechanism 2 542
Humidity Sensor Using EMD-Based Manganese Oxides as a Solid Electrol 4 L35
Humidity Sensors Using Polymerized Vinyl Carboxylate 3 614
HY-130 Steel The 6 1526
Hydration of the Anodic PbO2 Layer Formed on Pb-Sb Electrodes 9 2316
Hydride Alloys 8 L89
Hydride Electrodes. I. Development of the Model Hydrogen 8 2108
Hydride Electrodes. II. Quantitative Numerical Calculations Hydrog 8 2113
Hydrocarbon Contributions by Valves Used in Clean Room Gas-Delivery 6 1653
Hydrocarbon Type Impurities in Bulk Nitrogen 9 2478
Hydrodynamics. Application to the Study of Nickel Electrodeposition 9 L103
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. I. Experim 1 264
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. II. Modelin 1 270
Hydrofluoric Acid 10 2852
Hydrogen 6 1539
Hydrogen Absorption into Monel K500 5 1220
Hydrogen, and Titanium Tetrachloride A Kin 3 787
Hydrogen Annealing 11 3259
Hydrogen Bonding Characteristics on the Corrosion of Plasma-Deposited 7 1938
Hydrogen Bubble Coalescence 5 1118
Hydrogen Bubbles 8 2059
Hydrogen Chloride 1 246
Hydrogen Electrodes in Alkaline Water Electrolysis Study of Electro 2 382
Hydrogen Entry Promoter on Cathodically Polarized HY-130 Steel 6 1526
Hydrogen Evolution Reaction at Raney Nickel Electrodes in the Presence 4 975
Hydrogen Evolution Reaction on Porous Lanthanum-Phosphate-Bonded N 5 1225
Hydrogen Evolution and Glucose Hydrogenation on Raney Nickel Powder 10 2729
Hydrogen Fluoride by a Surfactant Addition Preventio 10 2899
Hydrogen in an Ultrahigh Vacuum Rapid Thermal Chemical Vapor Deposit 11 3269
Hydrogen in Si CVD with SiH2Cl2 Growth D 9 2567
Hydrogen on Amorphous Ni40Nb60 in Alkaline Media 9 2430
Hydrogen Passivation of HF-Last Cleaned (100) Silicon Surfaces Investig 11 3128
Hydrogen Permeation in a Proton-Hole Mixed Conductor and Its Applicati 7 1720
Hydrogen Peroxide in a Proton-Exchange-Membrane Electrochemical Rea 5 1174
Hydrogen Radical-Assisted Plasma Chemical Vapor Deposition 3 742
Hydrogen Reduction of Tungsten Hexafluoride Nucleation on 12 3532
Hydrogen Sensor 2 461
Hydrogen Sensor Using a Polycrystalline Diamond-Based Schottky Diode 8 2231
Hydrogen Sorption/Desorption at/within Oxide-Derived Pd Electrodes in N 11 2996
Hydrogen Surface Concentration and Overpotential for Galvanostatic Disc 8 2108
Hydrogen Surface Concentration and Overpotential for Galvanostatic Disc 8 2113
Hydrogen Terminated Si(111) 12 3595
Hydrogenation of Glucose. I. Kinetics of Hydrogen Evolution and Glucose 10 2729
Hydrogenation of Glucose. II. Raney Nickel Powder Flow-Through Reacto 10 2742
Hydrogenation on Raney Nickel Powder The Electrocatalytic 10 2729

Characterization of Spontaneously Bonded
Anisotropic Etching of Silicon in Rubidium
ffusion, Electron Conductivity, and Charge-Transfer Resistance on Nickel
Effect of Iron on the Electrochemical Properties of the Nickel
Deposition of Nickel
Enhanced Electrochromic Property of Nickel

Silicon-On-Insulator Devices for High Voltage and Power
Electrodeposition at an
Modeling,
Low Temperature Chlorine-Based Dry Etching of
Use of In Situ Atomic Force Microscopy to
Use of In Situ Atomic Force Microscopy to
Use of Atomic Force Microscopy to
nd Glassy Carbon High-Resolution
A Silane-Based Electroactive Film Prepared in an
of Conducting Polymers Partially
. Electrochemical Analysis of the Oxygen Reduction Mechanism at a Fully
is and Scanning Electron Microscopic Observation of the Lithium Surface
d Layered Composite Films on Electrodes. Preparation Through Alternate
Silicon The
rovement of the Gate Oxide Integrity by Modifying Crystal Pulling and Its
rokinetic Characteristics of Nitride Wafers in Aqueous Solutions and their
Zinc Electrowinning in Acidic Sulfate Electrolytes:
blishing
of a Copper/Gold Alloy Fast
onomer Membranes AC
ighly Resistive Bathing Electrolytes AC
On the Electrical
Electrochemical
owave-Measurements Deconvolution of the
A Transfer Function Approach for a Generalized Electrochemical
ne Carbonate Solutions. A Comparison to Studies of Li Electrodes
La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia Interface Studied by
Evaluation of Coating Degradation with Electrochemical
nhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic Acid An Electrochemical
ution AC

Numerical Calculations of the Electrical Effects Induced by Structural
Deposition of Silicon from Disilane under Reduced Pressure in a Circular
Transient Diffusion in Silicon below the Solid Solubility Limit and at a Low
Effects of Low Dose Silicon, Carbon, and Oxygen
Limitations on the Use of Ion
Ion
Modification of Polyethyleneterephthalate by
y Effect of Ion
Effect of Ion Energy on the Diffusion of Si
Gate Oxide Degradation Caused by Anomalous Oxidation of BF2 Ion
erature Dependence of Electrical Dopant Activation in High-Dose BF2 Ion
Reliability
H2O2 Solution Thin-Oxide Dielectric Strength
Its Impact on Device Failures
ng the S-Curve Concept
Electrolytes: Impedance Analysis and Modeling of the Influence of Nickel
eric Pressure Ionization Mass Spectrometry to Monitor Hydrocarbon Type
y of Impurity Formation Phosphorous Acid
gen Reduction Reaction at Platinum Electrodes Phosphorous Acid
r (Ce, Gd, Tb)MgB5O10 Influence of
Gas-Phase Precursors to Diamond and the sp2 Carbon
Metal
urities in Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric Study of
Incorporation of
Oxidation of
-Phase Epitaxy Luminescence Characterization of
hemical Etching of Alignment V-Grooves in (100) InP through Titanium or
Electronic Conductivity of
Growth of
Photoelectrochemical Etching of
Citric Acid Etching of GaAs1-xSbx, Al0.5Ga0.5Sb, and
osited Amorphous Silicon and Polysilicon Multiple-Angle
Use of In Situ Atomic Force Microscopy to Image Corrosion at
y Metalorganic Chemical Vapor Deposition Fe
h of Epitaxial Silicon Films Oxygen
Thermal

f the Solid Polymer Electrolyte Method to Organic Electrochemistry. XVII.
ayers Structural Properties and Growth Mechanism of Copper and
ants Dependence of Photovoltages of Spray-Deposited
Photovoltaic Properties of Sintered CdS/CdTe Solar Cells with an
Fluctuations of Permeation Rate Through an Iron Membrane
Yield of Water Absorption Positive Charge
The Effect of pH on the Localized Etching Process
itors Numerical Calculations of the Electrical Effects
The Role of
Plasma
Defects
II. Time Constant of a Radial Circuit Terminated by a Cylindrical Cell with
Plasma Induced Damage in a Planar
Report of the Electrolytic
Metallizations and Barrier Layers Commonly Used in the Microelectronics
On-Line
Evaluation of Isothermal Chemical Vapor
ZnTe on Si(001) and Si(112): Direct MBE Growth for Large-Area HgCdTe
ogen Lamp
leaned (100) Silicon Surfaces Investigated by Multiple Internal Reflection
l Impedance Spectroscopy Study Corrosion
Corrosion
ces
The
Selected Dissolution of Aluminum

Hydrophobic Silicon Surfaces 2 562
Hydrous Oxide Formation on Platinum in Phosphoric Acid Solution 9 2361
Hydroxide 9 2493
Hydroxide Discharge Curves Effect of Proton Di 2 346
Hydroxide Electrode 3 713
Hydroxide Structures Using the Scanning Electrochemical Microscope 4 995
Hydroxide Thin Films Prepared by Anodic Deposition 12 3439

— I —

IC Applications 7 1983
Ice-Coated Electrode 9 L113
Identification, and Control of Rapid Thermal Processing Systems 11 3200
III-V Semiconductors 8 2250
Image Copper Electrodeposits on Platinum 5 1166
Image Corrosion at Inclusions 6 1439
Image Surfaces during Fluid Flow 7 L85
Images of Pd Particles Supported on Highly Oriented Pyrolytic Graphite a 9 2511
Imidazolium Chloroaluminate Molten Salt 7 1709
Immersed Cylindrical Horizontally Revolving Electrodes for the Production 1 147
Immersed Gold Electrode Gas Electrode Reactions in Molten Carbo 5 1191
Immersed in Nonaqueous Solvents X-Ray Photoelectron Spectrosc 9 2379
Immersions in Modification Solutions Polyoxometallate-base 1 140
Impact of Sonication on the Structure and Properties of Stain-Etch Porous 12 L166
Impact on Device Failures Imp 5 1398
Impact on Particulate Deposition Elect 9 2465
Impedance Analysis and Modeling of the Influence of Nickel Impurities 1 131
Impedance Analysis of a Model Mechanism for Acceptor-Limited Electrop 2 410
Impedance Analysis of a Surface Microstructure during Anodic Oxidation 12 3416
Impedance and Conductivity Study of Alkali Salt Form Perfluorosulfonate I 2 448
Impedance at Redox-Polymer Modified Electrodes. Effects of Dilute and H 10 2722
Impedance Due to the Anodic Dissolution of Silicon in HF Solutions 3 697
Impedance of Blocking Quasi-Fractal 3-d Electrodes 10 2711
Impedance of the Silicon/Electrolyte Interface by Potential Modulated-Micr 12 L171
Impedance Spectroscopy 5 1147
Impedance Spectroscopy of Nonactive Metal Electrodes at Low Potentials 7 1808
Impedance Spectroscopy Oxygen Reduction at 8 2118
Impedance Spectroscopy and Electrochemical Noise Analysis 9 2332
Impedance Spectroscopy Study Corrosion I 12 3357
Impedance Studies of Highly Oriented Pyrolytic Graphite in 1 M NaOH Sol 10 2716
impedance-Spectroscopy Response of Aluminum-Copper-Silicon Alloys 12 3473
Imperfections on Metal Oxide Semiconductor Capacitors 6 1621
Impinging Jet Reactor. Simulation and Experiments Chemical Vapo 3 824
Implant Energy An Investigation of Phosphorus 8 2182
Implantation Damage on Diffusion of Phosphorus in Silicon 12 3516
Implantation for the Study of the Reactive Element Effect on Beta-NiAl 9 2443
Implantation in Beta-SiC Layers Grown on (100)Si 12 3489
Implantation of Nitrogen Ions 2 582
Implantation on the Corrosion Behavior of Lead and a Lead-Antimony Allo 10 2677
Implanted into GaAs 8 2245
Implanted MoSi2 on Polycrystalline Silicon 9 2552
Implanted Silicon The Annealing Time and Temp 11 3158
Implications of Lateral Alkali-Ion Migration in MOS Integrated Circuits 11 3250
Improvement by Adding a Phosphonic Acid Chelating Agent into NH4OH- 10 L139
Improvement of the Gate Oxide Integrity by Modifying Crystal Pulling and 5 1398
Improving Axial Oxygen Precipitation Uniformity in CZ Silicon Crystals Usi 1 173
Impurities Zinc Electrowinning in Acidic Sulfate 1 131
Impurities in Bulk Nitrogen Use of Atmosph 9 2478
Impurities in Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric Stud 12 3325
Impurities in Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the Oxy 12 3332
Impurities on the Luminescence Quantum Efficiency of the Lamp Phospho 8 2201
Impurity 8 2161
Impurity Evaluation in Silane Gas from the Qualification of Poly-Si Layers 1 274
Impurity Formation Phosphorous Acid Imp 12 3325
Impurity Metal Ions in Electrolytic Manganese Dioxide 8 2035
In-48Sn 10 2784
In0.12Ga0.88As0.34P0.66 Grown on GaAs0.61P0.39 Substrates by Liquid 8 2211
In0.53Ga0.47As Masks Wet C 6 1594
In2O3 Solid Solutions with ZrO2 10 2759
In2O3 Thin Films by Atomic Layer Epitaxy 11 3210
InAs 5 1274
InAs for Heterostructure Device Fabrication 12 3526
Incident Ellipsometry Measurement on Low Pressure Chemical Vapor Dep 8 2146
Inclusions 6 1439
Incorporation and Precipitation in Semi-Insulating Fe-Doped InP Grown b 1 242
Incorporation during Low Temperature Chemical Vapor Deposition Growt 5 1284
Incorporation of External Oxygen into EMD-Derived Manganese Oxides 12 3343
Incorporation of Impurity Metal Ions in Electrolytic Manganese Dioxide 8 2035
Indirect Electrochemical Debromination Using Viologens as Microscopic P 10 2579
Indium Selenide Films Prepared by Electrochemical Selenization of Metal 6 1566
Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar Cells on Spray Solv 5 1357
Indium-Tin-Oxide Electrode 12 3572
Induced by Hydrogen Bubbles 8 2059
Induced by Inorganic Spin-On-Glass. Influence of Silicon Oxide with High 6 1628
Induced by Laser Irradiation 4 943
Induced by Structural Imperfections on Metal Oxide Semiconductor Capac 6 1621
Induced Convection in Branched Electrodeposit Morphology Selection 5 1206
Induced Damage in a Planar Inductively Coupled Etch Reactor 11 3218
Induced in p-Type Silicon by Photocathodic Charging of Hydrogen 6 1539
Inductance Magnetic Field Effects in High-Power Batteries. 3 708
Inductively Coupled Etch Reactor 11 3218
Industries for the Year 1993 10 2918
Industry A Galvanic Series for Thin-Film 3 807
Inference of Plasma Etch Uniformity Using In Situ Ellipsometry 5 1387
Infiltration with Langmuir-Hinshelwood Type Kinetics 1 282
Infrared Focal-Plane Array Applications Cd 10 2888
Infrared Laser Measurements of HBr near the Filament of a Tungsten Hal 8 2024
Infrared Spectroscopy Hydrogen Passivation of HF-Last C 11 3128
Inhibition by 1-Hydroxy-Ethane-1,1-Diphosphonic Acid An Electrochemica 12 3357
Inhibition of Cobalt in Some Acid Solutions by Bismuth(III) Chloride 2 352
Initial Events during the Passivation of Rapidly Dissolving Aluminum Surfa 6 1453
Initial Growth Mechanism of Silicon Oxide by Liquid-Phase Deposition 11 3214
Initiated by Atomic Force Microscope Tip-Surface Interaction 4 L43

Modeling of the Factors Contributing to the
Pattern Geometry Effects in the Chemical-Mechanical Polishing of
ter Absorption Positive Charge Induced by
Electrical Conduction Through Anodic Oxides on Sulfur Passivated
Fe Incorporation and Precipitation in Semi-Insulating Fe-Doped
yanoethylphosphine, Benzylphosphine, and Cyclopentylphosphine during
Wet Chemical Etching of Alignment V-Grooves in (100)
Local Etch-Rate Control of Masked
Simulation and Optimization of the Dual Lithium Ion
Synthesis Conditions and Oxygen Stoichiometry Effects on Li
Situ Observation System for Silicon Wafer Transient Deformation during
Dynamic Dilution Calibration System for Calibrating Analytical
Dislocations and Electrical Leakage in Titanium-Salicided Silicon CMOS
Reliability Implications of Lateral Alkali-Ion Migration in MOS
ap Fill. Electrostatic Effects Surface Related Phenomena in
Improvement of the Gate Oxide
issolution of Aluminum Initiated by Atomic Force Microscope Tip-Surface
Dual
lation Between the Surface Chemistry and the Performance of Li-Carbon
e Electronic and Ionic Contributions to the Free Energy of Alkali Metals in
Lithium
V2O5 Xerogel Films as
The Effect of Boron Substitution in Carbon on the
Surface Analysis and Electrochemistry of MoS2 Thin Films Prepared by
um with Copper Simultaneously: Al-Cu CVD
ultilayer Co/Ti-Si(100) System
cs of the Electrode Reaction at the H2-H2O Porous Pt/Stabilized Zirconia
Studies of Polyimide/Metal
udy of p-Silicon Photoelectrode/Potassium Ferri-Ferrocyanide Electrolyte
Structure of the Copper-Monolayer/Platinum-Electrode
n Situ Scanning Vibrating Electrode Technique for the Characterization of
Deconvolution of the Impedance of the Silicon/Electrolyte
a Sensitive Semiconductor Gas Sensors with Double-Layer Structure and
F-Treated Silicon Substrate X-Ray Reflectivity Measurement of an
ied Constant-Current Anodization. A Promising Mechanism for Minimizing
xygen Reduction at La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia
rameters Microelectrode Study of the Lithium/Propylene Carbonate
Circuit Photovoltage and Charge Recombination at Semiconductor/Liquid
relations of Atomic Structure and Reactivity at Solid-Gas and Solid-Liquid
posited ZnS-CuS and PbS-CuS Thin Films
A Simple Method to Control Bipolar Polysilicon Emitter
Measurement of
ples and Its Role in Electromigration Lifetime
Coated Titanium Electrode Polyaniline Derivative with External and
tudy of the Redox Process of Poly(2-Naphthol) Film Using In Situ Multiple
vation of HF-Last Cleaned (100) Silicon Surfaces Investigated by Multiple
Deposition of Carbonaceous Films onto
Accurate Evaluation Techniques of the
Itrathin Gate Oxide in a SILO/RTN Isolation Process for Advanced ULSI.
nealing Eliminating the Surface
Hydrogen Passivation of HF-Last Cleaned (100) Silicon Surfaces
Anodic Oxidation of
Electrochemical Study of the Cross Effect Between
Chemically Assisted
TiO3 Lithium
Measurement of Mobile
as Prediction of
Effect of
sed Chemistry Reactive
esidue-Free Etching of the Al-Si-Cu Alloy Employing Magnetron Reactive
CF4 + O2 + Ar Reactive
High Selectivity Magnetically Enhanced Reactive
Limitations on the Use of
Gate Oxide Degradation Caused by Anomalous Oxidation of BF2
Alloy Effect of
mperature Dependence of Electrical Dopant Activation in High-Dose BF2
cidic and Neutral Solutions Cyclic Voltammetry of the Uranyl
Simulation and Optimization of the Dual Lithium
Effects of Deposition and
Redox Switching Charge and
Electrotransportation of Aniline Through a Perfluorosulfonate
Patterned Electrical Conductance and Electrode Formation in
The Effect of Gas Ambient on the Resistance of BF2+
b:SnO2 Transparent Electrodes with Mixed Electronically Conductive and
e Carbonate and Gamma-Butyrolactone Mobility and
Plasticizer for Poly(ethylene oxide)
SBR Latex Films Swollen with Lithium Salt Solutions
Oxide
mpounds The Electronic and
Electrochemical Window on Proton Addition to a Weakly Basic AlCl3:ImCl
Bulk Nitrogen Use of Atmospheric Pressure
Plasma Polymerization of Sulfonated Fluorochlorocarbon
Impedance and Conductivity Study of Alkali Salt Form Perfluorosulfonate
Modification of Polyethyleneterephthalate by Implantation of Nitrogen
Local Environment of Ce3+
Incorporation of Impurity Metal
Anodic Oxidation of Sulfide
Effect of Copper
ical Copolymerization of Aniline and 2,5-Diaminobenzenesulfonic Acid on
Elements on Scale Growth in High-Temperature Oxidation of Pure Nickel,
g-Disk Electrode and Spectroelectrochemical Studies on the Oxidation of
The Effect of Sulfur on the Passivation of
Fluctuations of Permeation Rate Through an
Effect of
enerated Silver Particles on the Electrochemistry of Zeolite-Encapsulated

Initiation and Propagation of the Crevice Corrosion of Alloy 625 11 3006
Inlaid Copper Structures 10 2842
Inorganic Spin-On-Glass. Influence of Silicon Oxide with High Yield of Wa 6 1628
InP 1 299
InP Grown by Metalorganic Chemical Vapor Deposition 1 242
InP MOCVD Growth Studied by FTIR Spectroscopy. Criteria for the Design 7 1886
InP through Titanium or In0.53Ga0.47As Masks 6 1594
InP/InGaAsP by Diffusion-Limited Etching 7 1954
Insertion Cell 1 1
Insertion into the Spinel LiMn2O4 6 1421
Insertion/Withdrawal into/from Horizontal Furnaces In 5 1299
Insight into Gate Oxide Thinning 3 750
Instruments Used in Gas Analysis 1 184
Integrated Circuits Source/Drain 7 1957
Integrated Circuits 11 3250
Integrated PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron G 8 2172
Integrity by Modifying Crystal Pulling and Its Impact on Device Failures 5 1398
Interaction Selected D 4 L43
Interactions among Bipolar Spheres in an Electrolytic Cell 11 3103
Intercalating Molten Electrolyte Batteries 7 L73
Intercalation Anodes for Rechargeable "Rocking Chair" Type Batteries 3 603
Intercalation Compounds Th 9 2297
Intercalation from Aqueous Solutions 9 2310
Intercalation Hosts for Lithium 3 L25
Intercalation of Lithium in Lix(BzC1-z)6 4 907
Intercalation-Exfoliation Techniques 3 629
Interconnection Formation by Doping Chemical-Vapor-Deposition Alumin 12 3494
Interdiffusion, Phase Transformation, and Epitaxial CoSi2 Formation in M 12 3480
Interface Kineti 6 1674
Interface 9 2374
Interface In Situ FTIR-ATR St 12 3389
Interface as Measured by In Situ X-Ray Absorption Spectroscopy 9 2389
Interface Between Lithium Electrode and Electrolytes Containing Additive 12 L159
Interface by Potential Modulated-Microwave-Measurements 12 L171
Interface Electrodes High Ammoni 4 1028
Interface Layer Between a Low Temperature Silicon Epitaxial Layer and H 5 1370
Interface States in the Silicon/Silicon-Oxide System of an Anodic Oxide Fi 8 2227
Interface Studied by Impedance Spectroscopy O 8 2118
Interface: Temperature and Concentration Dependence of Physicochemic 11 3053
Interfaces Open- 5 1231
Interfaces Cor 11 3278
Interfacial Diffusion of Metal Atoms during Air Annealing of Chemically De 9 2536
Interfacial Oxide 11 3167
Interfacial Re-equilibration during Hydrogen Bubble Coalescence 5 1118
Interferometric Real-Time Measurement of Uniformity for Plasma Etching 7 1893
Intermetallic Compound Formation in Ti/Al Aluminum Alloy Thin Film Cou 1 302
Internal Doping via Electrochemical Copolymerization of Aniline and 2,5-D 10 2624
Internal Reflection FTIR Spectroscopy S 1 156
Internal Reflection Infrared Spectroscopy Hydrogen Passi 11 3128
Internal Walls of Tubes 2 374
Interstitial Oxygen Concentrations in Medium-Resistivity Si Crystals 5 1362
Intrinsic and Passivation-Induced Trench Tapering during Plasma Etching 7 1964
Introducing a New Concept of Surface Gettering Optimization of U 10 2811
Inversion Layer under the Field Oxide by Low Pressure Rapid Thermal An 9 2498
Investigated by Multiple Internal Reflection Infrared Spectroscopy 11 3128
InxGa1-xAsyP1-y Epitaxial Layers 8 L97
Ion and Electron Flows in Semiconducting CoO 10 2789
Ion Beam Etching for Silicon-Based Microfabrication 6 1585
Ion Conductivity of A-Site Deficient Perovskite Solid Solution La0.67-xLi3x 7 L78
Ion Contamination in Multilayer Metallization by Triangular Voltage Sweep 7 1962
Ion Energy and Angular Distributions in Single and Dual Frequency Plasm 5 1313
Ion Energy on the Diffusion of Si Implanted into GaAs 8 2245
Ion Etch Processes for Amorphous Silicon Thin-Film Transistors. SiCl4 Ba 2 502
Ion Etching R 10 2825
Ion Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in 10 2915
Ion Etching of Boron Nitride Films 12 3456
Ion Implantation for the Study of the Reactive Element Effect on Beta-NiAl 9 2443
Ion Implanted MoSi2 on Polycrystalline Silicon 9 2552
Ion Implantation on the Corrosion Behavior of Lead and a Lead-Antimony 10 2677
Ion Implanted Silicon The Annealing Time and Te 11 3158
Ion Implantation in Beta-SiC Layers Grown on (100)Si 12 3489
Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in Weakly A 2 311
Ion Insertion Cell 1 1
Ion Scattering on Profile Control in Submicron Oxide Etch 10 2904
Ion Sensor with Photocurable Polyurethane Polymer Membrane 9 L111
Ion Transport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during 1 35
Ion-Exchange Membrane 7 1827
Ion-Implanted Diamond Films 4 L41
Ion-Implanted Photoresist and Damage-Free Stripping 1 192
Ion-Implanted Polycrystalline Diamond Film 1 201
Ion-Storage Characteristics Electrochemical and Structural Properti 9 L127
Ionic Association of Lithium and Quaternary Ammonium Salts in Propylen 12 3336
Ionic Conductivity of a Polymer Electrolyte with Modified Carbonate as a 4 886
Ionic Conductivity in Ordered and Disordered Phases of Plastic Crystals 7 1921
Ionic Conductivity of Dual-Phase Polymer Electrolytes Comprised of NBR/ 8 1989
Ionic Conductivity of Doped NdAlO3 Perovskite-Type Oxides 12 3444
Ionic Contributions to the Free Energy of Alkali Metals in Intercalation Co 9 2297
Ionic Liquid The Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molt 3 L19
Ionization Mass Spectrometry to Monitor Hydrocarbon Type Impurities in 9 2478
Ionomer Films 9 2273
Ionomer Membranes AC 2 449
Ions 2 582
Ions in CaS Prepared With or Without Flux 11 3188
Ions in Electrolytic Manganese Dioxide 8 2035
Ions in Molten Lithium Fluoride 10 2642
Ions in the Slurry on the Chemical-Mechanical Polish Rate of Titanium 12 3512
IrO2-Coated Titanium Electrode Polyaniline Derivative with External 10 2624
Iron, Cobalt and Copper. I. Oxidation Kinetics and Scale Morphology 7 1905
Iron in Alkaline Solutions Rotating Rin 3 718
Iron in Calcium Nitrate 9 2343
Iron Membrane Induced by Hydrogen Bubbles 8 2059
Iron on the Electrochemical Properties of the Nickel Hydroxide Electrode 3 713
Iron Salen Complex Effects of Electrog 11 3049

Dioxide at Dual-Film Electrodes Modified With and Without Cobalt(II) and
Photoluminescence Measurement of Carbon in Silicon Crystals
The Effect of pH on the Localized Etching Process Induced by Laser
An Oxynitride
Offset Trench
ce Gettering Optimization of Ultrathin Gate Oxide in a SILO/RTN
An Isoplanar
An
inetics Evaluation of
Detection of D2O in Water
A New Global Planarization Technique Utilizing In Situ

Metal Distribution in
of Silicon from Disilane under Reduced Pressure in a Circular Impinging
ity Limits of Thin TiSi2. Effect on Submicron Line Resistance and Shallow
Photovoltages of Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon
Thermal Stability of Cu/CoSi2 Contacted p+n Shallow
Phosphorus Direct Doping from Vapor Phase into Silicon for Shallow
Shallow n+

erpotential Deposition of Zinc to Mitigate Hydrogen Absorption into Monel
Solubility of AgCl in Molten NaCl-AlCl3 and
mal Decomposition of Methyltrichlorosilane. Thermodynamic Analysis and
en, Hydrogen, and Titanium Tetrachloride A
Electrolytes for Secondary Lithium Battery Applications. Electrochemical
or Electrodes Electroluminescence Transient and Its Application to
Films from SiH2Cl2 and NH3 Mass Spectrometric and
f Isothermal Chemical Vapor Infiltration with Langmuir-Hinshelwood Type
mperature Oxidation of Pure Nickel, Iron, Cobalt and Copper. I. Oxidation
Codeposited Chromium-Aluminide Coatings. II.
licon Nitride Deposited by Electron Cyclotron Resonance Plasmas
Pressure Dependence of the
Effects of Toluene and Benzoic Acid on the
kel Powder The Electrocatalytic Hydrogenation of Glucose. I.

iconia Interface
nfined Plasma Enhanced Chemical Vapor Deposition The
acuum Rapid Thermal Chemical Vapor Deposition Reactor Growth
A

Electronic Conductivity in the
Electrochemical Evaluation of
mpedance Spectroscopy Oxygen Reduction at
Lithium Ion Conductivity of A-Site Deficient Perovskite Solid Solution
m CuInS2 with
s Material CuInS2 with
de, and Gel Electrolytes
red Laser Measurements of HBr near the Filament of a Tungsten Halogen
Influence of Impurities on the Luminescence Quantum Efficiency of the
the Vapor of the Na-Sn-Br-I System and Their Relevance for Metal Halide
Study of the Electrochemical Properties of Dip-Coated, Spun and Organic
n-Si for Efficient Photoelectrochemical Solar Cells Preparation of a
Evaluation of Isothermal Chemical Vapor Infiltration with
ise Determination of the Chemical Diffusion Coefficient of Calcium-Doped
olutions and Temperature on the Hydrogen Evolution Reaction on Porous
Stainless Steels
CdZnTe on Si(001) and Si(112): Direct MBE Growth for
ffects and Passivation Studies on Undoped and Ag-Doped YBa2Cu3O7-x
The Effect of pH on the Localized Etching Process Induced by
mp Infrared
onitoring of Electrode Surface Modification via Confocal Scanning Beam
Large Area Photocurrent Behavior and
uctures
Reliability Implications of
Influence of the Existence of an Underlying SiO2 Layer on the
Conductivity of Dual-Phase Polymer Electrolytes Comprised of NBR/SBR
Epitaxial Growth of SiC on Sapphire Substrates with an AlN Buffer
ment of an Interface Layer Between a Low Temperature Silicon Epitaxial
rocesses An Absorbing
Silicon Substrate X-Ray Reflectivity Measurement of an Interface
Metal Fluoride Thin Films Prepared by Atomic
Characterization of the Electropolishing
rode Double
Growth of In2O3 Thin Films by Atomic
High Performance Catalyzed-Reaction
Shallow Boron-Doped
timony on the Structure and the Degree of Hydration of the Anodic PbO2
Deep and Shallow Electron Trapping in the Buried Oxide
otoelectrochemical Solar Cells Preparation of a Langmuir-Blodgett
Formation of a Silver-Rich Surface
Influence of the Existence of an Underlying SiO2
Materials with a Buried C60
Eliminating the Surface Inversion
rocess on Sensing Properties of SnO2 Thin Film Sensors in a SiO2/SnO2
mmersions in Modification Solutions Polyoxometallate-based
Electrochemically
Determination of Generation Lifetime in Trap-Rich and
Metal Impurity Evaluation in Silane Gas from the Qualification of Poly-Si
Anodic Oxidation of InxGa1-xAsyP1-y Epitaxial
Indium Selenide Films Prepared by Electrochemical Selenization of Metal
ct of Low Temperature (<900 C) RTA on the Conductivity of As-Implanted
A Galvanic Series for Thin-Film Metallizations and Barrier
Characterization and Elimination of Defects in Oxide
Ion Implantation in Beta-SiC
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial

Iron(II) Complexes Electrochemical Reduction of Carbon 2 419
Irradiated with High Energy Electrons 12 3576
Irradiation 4 943
ISFET Modified for Working in a Differential Mode for pH Detection 2 535
Isolation 8 2178
Isolation Process for Advanced ULSI. Introducing a New Concept of Surfa 10 2811
Isolation Technology for SiC Devices Using Local Oxidation 8 2188
Isoplanar Isolation Technology for SiC Devices Using Local Oxidation 8 2188
Isothermal Chemical Vapor Infiltration with Langmuir-Hinshelwood Type K 1 282
Isotopes Using a High Temperature Protonic Conductor 9 L125
Isotropic Photoresist Mask Erosion 1 251

— J —

Jet Plating 3 691
Jet Reactor. Simulation and Experiments Chemical Vapor Depositio 3 824
Junction Leakage Thermal Stabil 5 1351
Junction Solar Cells on Spray Solvents Dependence of 5 1357
Junction with and without TiW Diffusion Barrier 10 2804
Junctions 8 2241
Junctions in Silicon by Arsenic Gas-Phase Doping 5 1378

— K —

K500 Use of Und 5 1220
KCl-AlCl3 4 895
Kinetic Modeling On the Homogeneous Chemistry of the Ther 6 1599
Kinetic Study of Titanium Nitride Chemical Vapor Deposition Using Nitrog 3 787
Kinetic Studies Cycloaliphatic Epoxide-Based Photocured Gelled 6 1414
Kinetic Study on Electrode Reactions Caused by Carrier Tunneling in Se 12 3410
Kinetic Study of Low-Pressure Chemical Vapor Deposition of Si3N4 Thin 12 3505
Kinetics Evaluation o 1 282
Kinetics and Scale Morphology The Role of Reactive Elements on 7 1905
Kinetics and Morphology of Coating Growth 10 2690
Kinetics and Compositional Dependence on the Microwave Power and Si 11 3234
Kinetics of Electrochemical Vapor Deposition of CeO2 on Oxygen Partial 5 1261
Kinetics of Ferrous Oxidation on *Pt* and Nafion-Coated Pt Electrodes 6 1483
Kinetics of Hydrogen Evolution and Glucose Hydrogenation on Raney Nic 10 2729
Kinetics of Roughness Relaxation at Gold Electrodes 9 2291
Kinetics of SiO2 Deposition from Tetraethylorthosilicate 7 1943
Kinetics of the Electrode Reaction at the H2-H2O Porous Pt/Stabilized Zir 6 1674
Kinetics of Very Low Temperature (300 C) Silicon Epitaxial Growth by Co 12 3584
Kinetics, Silicon Nucleation on Silicon Dioxide, and Selective Epitaxy Usi 11 3269
Kinetics Study of the Bond Strength of Direct Bonded Wafers 11 3225

— L —

La(Cr,Ni)O3 Perovskite System 3 782
La-Ni-Sn Metal Hydride Alloys 8 L89
La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia Interface Studied by I 8 2118
La0.67-xLi3xTiO3 7 L78
Lamellar Morphology. I. Efficient Photoanodes in Acidic Polyiodide Mediu 5 1095
Lamellar Morphology. II. Photoelectrochemical Behavior of Heterogeneou 5 1100
Laminated Electrochromic Windows Based on Nickel Oxide, Tungsten Oxi 4 1025
Lamp Infra 8 2024
Lamp Phosphor (Ce, Gd, Tb)MgB5O10 8 2201
Lamps Study of the Heterocomplexes in 10 2774
Langmuir-Blodgett Films of Polyaniline A Comparative 6 1573
Langmuir-Blodgett Layer of Ultrafine Platinum Particles and Its Applicatio 11 3077
Langmuir-Hinshelwood Type Kinetics 1 282
Lanthanum Chromites by Means of Electrical Conductivity Relaxation 5 1266
Lanthanum-Phosphate-Bonded Nickel Electrodes Influence of Phy 5 1225
Large Area Photocurrent Behavior and Laser Spot Scanning of Passivated 2 362
Large-Area HgCdTe Infrared Focal-Plane Array Applications 10 2888
Laser Ablated Thin Films Aging E 6 1611
Laser Irradiation 4 943
Laser Measurements of HBr near the Filament of a Tungsten Halogen La 8 2024
Laser Microscopy In Situ M 11 L153
Laser Spot Scanning of Passivated Stainless Steels 2 362
Laser-Enhanced Material Selectivity in N-GaAs/N-Al0.4Ga0.6As Heterostr 10 2893
Lateral Alkali-Ion Migration in MOS Integrated Circuits 11 3250
Lateral Solid-Phase Epitaxy of Amorphous Silicon 1 188
Latex Films Swollen with Lithium Salt Solutions Ionic 8 1989
Layer 2 510
Layer and HF-Treated Silicon Substrate X-Ray Reflectivity Measure 5 1370
Layer Approach to Reducing Reflections in Multilayer Metal Lithographic P 5 1375
Layer Between a Low Temperature Silicon Epitaxial Layer and HF-Treated 5 1370
Layer Deposition 5 1278
Layer during Anodic Etching of p-Type Silicon in Aqueous HF Solutions 8 2049
Layer Effects Associated with Surface Reconstruction on an Au(100) Elect 3 L30
Layer Epitaxy 11 3210
Layer for Medium Temperature Operating Solid Oxide Fuel Cells 2 342
Layer Formation by Boron Diffusion from Poly-Si Through Thin SiO2 6 1702
Layer Formed on Pb-Sb Electrodes Influence of An 9 2316
Layer of SIMOX Structures 10 2801
Layer of Ultrafine Platinum Particles and Its Application to n-Si for Efficien 11 3077
Layer on Electrodeposited CdTe 2 529
Layer on the Lateral Solid-Phase Epitaxy of Amorphous Silicon 1 188
Layer Produced by Direct Wafer Bonding 10 L137
Layer under the Field Oxide by Low Pressure Rapid Thermal Annealing 9 2498
Layer-Built Structure Fabricated by Sol-Gel Process Effect of Gas 1 220
Layered Composite Films on Electrodes. Preparation Through Alternate I 1 140
Layered Copper-Nickel Nanocomposites with Enhanced Hardness 1 L10
Layered Semiconductors by Metal Oxide Semiconductor Measurements 8 2151
Layers 1 274
Layers 8 L97
Layers Structural Properties and Growth Mechanism of Copper and 6 1566
Layers and Metal to P+ Contact Resistance Effe 8 2223
Layers Commonly Used in the Microelectronics Industry 3 807
Layers Grown on Czochralski Silicon Substrates 9 2460
Layers Grown on (100)Si 12 3489
Layers. I. Experimental Observations 1 264
Layers. II. Modeling 1 270

Oxidation-Enhanced Diffusion of Boron and Phosphorus in Heavily Doped
Buried Cobalt Silicide
Surface-Enhanced Raman Scattering from Pyridine Adsorbed on Thin
Reactive Ion Etching of (111) Beta-SiC Epitaxial
of Thermal Treatments on the Adhesion of Electrolessly Deposited Ni(P)
The Reaction of Extremely Thin Co-Zr and Pd-Ta
Chemical Mechanisms for the Atmospheric Corrosion of
Mathematical Model of the Anodic Oxidation of
Effect of Ion Implantation on the Corrosion Behavior of
-Transfer Reactions. Oxidation of Phenol and Benzene at Bismuth-Doped
Effect of Ion Implantation on the Corrosion Behavior of Lead and a
Barium Metaplumbate for
of Thin TiSi2. Effect on Submicron Line Resistance and Shallow Junction
Source/Drain Dislocations and Electrical
athode Characteristics of Amorphous V2O5 with Polymer Electrolyte and
Transition Metal Nitride, Li7MnN4
Potentials in Propylene Carbonate Solutions. A Comparison to Studies of
Synthesis Conditions and Oxygen Stoichiometry Effects on
The Single-Electrode Peltier Heats of
The Correlation Between the Surface Chemistry and the Performance of
Behavior of Nitrogen-Substituted Carbon (NzC1-z) in
lation Reaction and Structural Change in Lithium Transition Metal Nitride,
The Rechargeable
Film Formation on Lithium Electrode in
Film Formation on Lithium Electrode in LiAlCl4/SO2Cl2 and
Electrochemistry of Molybdenum Solutions in Molten
The Single-Electrode Peltier Heats of Li-Al Alloy Electrodes in
Solid-State Redox Reactions of
Synthesis and Performance of
A Comparative Study of NiO(Li), LiFeO2, and
r Fuel Cells
A Comparative Study of NiO(Li),
n Ti/Al Aluminum Alloy Thin Film Couples and Its Role in Electromigration
g Edge-Type Exposures on Si Substrates: A Correlation Between Carrier
onductor Measurements Determination of Generation
ype Silicon. Correlation Between Deep-Level Transient Spectroscopy and
licon Wafers
Deposition Covalent Binding of Pd Catalysts to

Widegap Column-III Nitride Semiconductors for UV/Blue
Phosphor Development for Alpha-Silicon Liquid Crystal
and Chemical Nature of Porous Si and Siloxene by STM, AFM, XPS, and
Enhanced Diffusion of Dopants at Concentrations near the Solubility
ion of Phosphorus Transient Diffusion in Silicon below the Solid Solubility
lement Effect on Beta-NiAl
l, Oscillating Fluid Flow
osphoric Acid Fuel Cells
nction Leakage Thermal Stability
nditions and Oxygen Stoichiometry Effects on Li Insertion into the Spinel
Characterization of Sputter-Deposited
An Investigation of Spinel-Related and Orthorhombic
Limiting Current Density on a
Thermal Stability Limits of Thin TiSi2. Effect on Submicron
Solid-State Redox Reactions of

ochemical Window on Proton Addition to a Weakly Basic AlCl3:ImCl Ionic
Electrochemical Reduction of
Phosphor Development for Alpha-Silicon
e-Layer Capacitors Electrochemical Properties of Organic
Passivity Breakdown on Solid Versus
ysicochemical Properties and Growth Mechanism of Oxide (SiO2-xFx) by
Water Uptake of Perfluorosulfonic Acid Membranes from
The Initial Growth Mechanism of Silicon Oxide by
on of In0.12Ga0.88As0.34P0.66 Grown on GaAs0.61P0.39 Substrates by
Electrical Conductivity Measurement in
V2O5 Xerogel Films as Intercalation Hosts for
mma-Butyrolactone Mobility and Ionic Association of
A 3 Volt Lithium Manganese Oxide Cathode for Rechargeable
of Spinel-Related and Orthorhombic LiMnO2 Cathodes for Rechargeable
cloaliphatic Epoxide-Based Photocured Gelled Electrolytes for Secondary
Polystyrenesulfonate Composite Film and Its Application to Rechargeable
in Molten Carbonates. III. Diffusion Coefficient and Bulk Concentration in
lid-State Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary
LiNiVO4: A 4.8 Volt Electrode Material for
Solid-State Redox Reactions of LiCoO2 (R3m) for Four-Volt Secondary
Influence of Electrolyte on
Effect of Additives on
The Surface Chemistry of
rating Electrode Technique for the Characterization of Interface Between
Film Formation on
Electrochemical Behavior of
Anodic Oxidation of Sulfide Ions in Molten
ture in Organic Electrolytes Containing Lithium Trifluoromethylsulfate and
The Effect of Boron Substitution in Carbon on the Intercalation of
Stability and Electrochemistry of

Simulation and Optimization of the Dual
67-xLi3xTiO3
A 3 Volt
A 4 V
Electrochemical Deposition of Uniform
New Thin-Layer Solid-State
rthorhombic NaxMnO2 as a Cathode Material for Secondary Sodium and
Ambient Temperature
Synthesis of Hollandite-Type Manganese Dioxide with H+ Form for
se Polymer Electrolytes Comprised of NBR/SBR Latex Films Swollen with
ese Dioxide and Polypyrrole and Their Properties as an Active Material in
troscopy Analysis and Scanning Electron Microscopic Observation of the
Li Deintercalation-Intercalation Reaction and Structural Change in
f Carbon Fiber with Graphite Structure in Organic Electrolytes Containing
Reversible
Spinel Anodes for
A 4 V Lithium Manganese Oxide Cathode for Rocking-Chair

Layers in Silicon 4 1074
Layers in Silicon Created by Wafer Bonding 10 2829
Layers of Stainless Steel 12 3312
Layers on (111) TiC Substrates in CF4 + O2 + Ar 10 2915
Layers on Alumina Ceramic The Influence 3 816
Layers with Si(100) 2 519
Lead 4 922
Lead 9 2416
Lead and a Lead-Antimony Alloy 10 2677
Lead Dioxide Electrodes in Acidic Solutions Electrocatalysis of Ano 12 3404
Lead-Antimony Alloy 10 2677
Lead/Acid Batteries 12 3300
Leakage Thermal Stability Limits 5 1351
Leakage in Titanium-Salicided Silicon CMOS Integrated Circuits 7 1957
Li Anode at 100 C C 10 2611
Li Deintercalation-Intercalation Reaction and Structural Change in Lithium 11 2966
Li Electrodes Impedance Spectroscopy of Nonactive Metal Electrod 7 1808
Li Insertion into the Spinel LiMn2O4 6 1421
Li-Al Alloy Electrodes in LiCl-KCl Eutectic System 11 3096
Li-Carbon Intercalation Anodes for Rechargeable "Rocking Chair" Type B 3 603
Li/Li(NzC1-z)6 Cells 4 900
Li7MnN4 Li Deintercalation-Interca 11 2966
LiAl/Li3.6Ge0.6V0.4O4/TiS2 High Temperature Solid-State Cell 6 1418
LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Based Electrolytes 4 865
LiAlCl4:3SO2 Based Electrolytes 4 865
LiCl-KCl Eutectic at 500 C 9 2286
LiCl-KCl Eutectic System 11 3096
LiCoO2 (R3m) for Four-Volt Secondary Lithium Cells 11 2972
LiCoO2 Cathodes for the Molten Carbonate Fuel Cell (MCFC) 11 2958
LiCoO2 Porous Cathodes for Molten Carbonate Fuel Cells 12 3429
Life Tests of Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polyme 9 L132
LiFeO2, and LiCoO2 Porous Cathodes for Molten Carbonate Fuel Cells 12 3429
Lifetime Intermetallic Compound Formation i 1 302
Lifetime and Etch-Induced Defect States Effect of Plasma Etchin 11 3230
Lifetime in Trap-Rich and Layered Semiconductors by Metal Oxide Semic 8 2151
Lifetime Measurements Rapid Thermal Annealing of p-T 3 754
Lifetime Study of Metastable Surface Recombination Centers in n-Type Si 6 1590
Ligating Self-Assembled Monolayer Films for Selective Electroless Metal 1 210
Light Emission from Porous Silicon under Photo- and Electroexcitation 11 3071
Light Emitting Devices 8 2266
Light Valve Projection Display 11 3172
LIMA Study of the Structure 2 402
Limit 12 3593
Limit and at a Low Implant Energy An Investigat 8 2182
Limitations on the Use of Ion Implantation for the Study of the Reactive E 9 2443
Limiting Current Density on a Line Electrode in the Presence of Tangentia 10 2753
Limiting Current of Oxygen Reduction on Gas-Diffusion Electrodes for Ph 11 3114
Limits of Thin TiSi2. Effect on Submicron Line Resistance and Shallow Ju 5 1351
LiMn2O4 Synthesis Co 6 1421
LiMn2O4 Thin Films for Rechargeable Microbatteries 12 3296
LiMnO2 Cathodes for Rechargeable Lithium Batteries 5 1178
Line Electrode in the Presence of Tangential, Oscillating Fluid Flow 10 2753
Line Resistance and Shallow Junction Leakage 5 1351
LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary Lithium Cells 8 2010
LiNiVO4: A 4.8 Volt Electrode Material for Lithium Cells 9 2279
Liquid The Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molten Sa 3 L19
Liquid CO2. Drastic Enhancement of Current Density 9 L130
Liquid Crystal Light Valve Projection Display 11 3172
Liquid Electrolytes Based on Quaternary Onium Salts for Electrical Doubl 11 2989
Liquid Gallium 10 2645
Liquid Phase Deposition with H2O Addition Only The Ph 11 3177
Liquid Water and Water Vapor 6 1493
Liquid-Phase Deposition 11 3214
Liquid-Phase Epitaxy Luminescence Characterizati 8 2211
Liquified Hydrogen Chloride 1 246
Lithium 3 L25
Lithium and Quaternary Ammonium Salts in Propylene Carbonate and Ga 12 3335
Lithium Batteries 7 L76
Lithium Batteries An Investigation 5 1178
Lithium Battery Applications. Electrochemical Kinetic Studies Cy 6 1414
Lithium Battery Cathodes Electrochemical Properties of a Polypyrro 9 2326
Lithium Carbonate Rotating Disk Studies 9 2338
Lithium Cells So 8 2010
Lithium Cells 9 2279
Lithium Cells 11 2972
Lithium Cycling Efficiency with Pressurized Electrode Stack 3 611
Lithium Cycling Efficiency 9 2300
Lithium Electrodes in Alkyl Carbonate Solutions 1 L1
Lithium Electrode and Electrolytes Containing Additives In Situ Sca 12 L159
Lithium Electrode in LiAlCl4/SO2Cl2 and LiAlCl4:3SO2 Based Electrolytes 4 865
Lithium Electrolytes Based on New Polyether Networks 7 1915
Lithium Fluoride 10 2642
Lithium Hexafluorophosphate Charge/Discharge Characteristics of 5 1105
Lithium in Lix(BzC1-z)6 4 907
Lithium in Room Temperature Chloroaluminate Molten Salts 4 873
Lithium Intercalation from Aqueous Solutions 9 2310
Lithium Ion Insertion Cell 1 1
Lithium Ion Conductivity of A-Site Deficient Perovskite Solid Solution La0. 7 L78
Lithium Manganese Oxide Cathode for Rechargeable Lithium Batteries 7 L76
Lithium Manganese Oxide Cathode for Rocking-Chair Lithium-Ion Cells 9 L108
Lithium on an Ni Substrate in a Nonaqueous Electrolyte 9 L108
Lithium Polymer Batteries 7 L80
Lithium Polymer Batteries O 11 L145
Lithium Polymer Rocking-Chair Batteries 6 1405
Lithium Rechargeable Battery 10 L135
Lithium Salt Solutions Ionic Conductivity of Dual-Pha 8 1989
Lithium Secondary Batteries Electrochemical Synthesis of Composi 1 10
Lithium Surface Immersed in Nonaqueous Solvents X-Ray Photoele 9 2379
Lithium Transition Metal Nitride, Li7MnN4 11 2966
Lithium Trifluoromethylsulfate and Lithium Hexafluorophosphate Ch 6 1105
Lithium-Graphite Anodes in Room-Temperature Chloroaluminate Melts 3 L21
Lithium-Ion Batteries 11 L147
Lithium-Ion Cells 9 L106

Relaxation Phenomena in
ower Profile Three-Dimensional Thermal Modeling of
Application of Solid Polymer Electrolyte to
dence of Physicochemical Parameters Microelectrode Study of the
An Absorbing Layer Approach to Reducing Reflections in Multilayer Metal
e Effect of Boron Substitution in Carbon on the Intercalation of Lithium in
ing
An Isoplanar Isolation Technology for SiC Devices Using
Chemical Composition, Chemical States, and Resistance to
Calibration of an Electrochemical Quartz Crystal Microbalance during
The Effect of pH on the
oint Defect Based Two-Dimensional Model of the Evolution of Dislocation
A
Reaction and Film Properties of Selective Titanium Silicide
um Films Deposition and Properties of
Cl2 and NH3 Mass Spectrometric and Kinetic Study of
Oxide
onte Carlo Simulation Study of Radiation Heat Transfer in the Multiwafer
sphors Photostimulated
aAs0.61P0.39 Substrates by Liquid-Phase Epitaxy
B5O10 Influence of Impurities on the

and Neutral Solutions Cyclic Voltammetry of the Uranyl Ion in
lectric Field into a Cylindrical Conductor
dial Circuit Terminated by a Cylindrical Cell with Inductance
lms by Electrolysis Control of
High Selectivity
Residue-Free Etching of the Al-Si-Cu Alloy Employing
Growth of ZnGa2O4 Phosphor by Radio Frequency
condary Batteries Electrochemical Synthesis of Composite Films of
Synthesis of Hollandite-Type
Incorporation of Impurity Metal Ions in Electrolytic
A New Potential-Type Humidity Sensor Using EMD-Based
A 3 Volt Lithium
A 4 V Lithium
Thermal Incorporation of External Oxygen into EMD-Derived
Electrochemical Oxidation of
New Global Planarization Technique Utilizing In Situ Isotropic Photoresist
Local Etch-Rate Control of
of Alignment V-Grooves in (100) InP through Titanium or In0.53Ga0.47As
en Use of Atmospheric Pressure Ionization
eposition of Si3N4 Thin Films from SiH2Cl2 and NH3
ng O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis
ng O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis
Screen Electrodes

amellar Morphology. II. Photoelectrochemical Behavior of Heterogeneous
pe Silicon Obtained by Photoelectrochemical Etching. I. Correlations with
Orthorhombic NaxMnO2 as a Cathode
tteries A Novel Active
LiNiVO4: A 4.8 Volt Electrode
Stabilized Alpha-Ni(OH)2 as Electrode
of Manganese Dioxide and Polypyrrole and Their Properties as an Active
Laser-Enhanced
Protective Treatments for Nickel-Based Contact
A
Anisotropic Chemical Pattern Etching of Copper Foil. III.
ns CdZnTe on Si(001) and Si(112): Direct
and Performance of LiCoO2 Cathodes for the Molten Carbonate Fuel Cell
A Study of Electrical, Metallurgical, and
ion of Alkoxysilanes on the Surface of a Hot Wire-Study of Decomposition
n Carbonate Media. V. Electrochemical Analysis of the Oxygen Reduction
Impedance Analysis of a Model
ic Oxide Film Modified Constant-Current Anodization. A Promising
Plasma Preparation and Deposition
cron Ammonium Sulfate Particles at 300 and 373 K
The Synthesis and Particle Growth
ical Selenization of Metal Layers Structural Properties and Growth
On the
afer Surface in Wet Chemical Processing
dition Only The Physicochemical Properties and Growth
Generation
Formation
The Initial Growth
s in the Presence of Organic Compounds Study of the
Chemical
Selectivity
The Etching
tic Oxygen Reduction Activity of Nano-Grained Thin-Film Platinum in Acid
Anodic Oxidation of Methanol on Pt/WO3 in Acidic
l Adsorption-Desorption of Hydrogen on Amorphous Ni40Nb60 in Alkaline
ectrode for Voltammetric Studies at High Temperature in Glass-Corrosive
The Susceptibility to Surface Corrosion in Acidic Fluoride
rsed Gold Electrode Gas Electrode Reactions in Molten Carbonate
chemical Debromination Using Viologens as Microscopic Phase-Transfer
yrrole by Electrolytically Generated Solution Species in Aqueous Chloride
2 with Lamellar Morphology. I. Efficient Photoanodes in Acidic Polyiodide
alytic Oxidation of Glycerol. I. Behavior of Palladium Electrode in Alkaline
Study of the Redox Behavior of Anthraquinone in Aqueous
High Performance Catalyzed-Reaction Layer for
curate Evaluation Techniques of the Interstitial Oxygen Concentrations in
ffect of the Crystal Grown-in Defects on the Pause Tail Characteristics of
sition of Mixed Metal Oxides from the Eutectic Sodium-Potassium Nitrate
Electrodeposition of Ni1-xAlx in a Chloroaluminate
odeposition of Copper Oxide from the Eutectic Sodium-Potassium Nitrate
versible Lithium-Graphite Anodes in Room-Temperature Chloroaluminate
Electrochemical Study of Tantalum in Fluoride and Oxofluoride
of the Electrochemical Behavior of Nb(V) in AlCl3-NaClSAT and Related

Lithium-Ion-Insertion Cells 4 982
Lithium-Polymer Batteries under Galvanostatic Discharge and Dynamic P 11 2947
Lithium/Polypyrrole Secondary Battery System 8 1994
Lithium/Propylene Carbonate Interface: Temperature and Concentration 11 3053
Lithographic Processes 5 1375
Lix(BzC1-z)6 Th 4 907
Local Environment of Ce3+ Ions in CaS Prepared With or Without Flux 11 3188
Local Etch-Rate Control of Masked InP/InGaAsP by Diffusion-Limited Etch 7 1954
Local Oxidation 8 2188
Localized Corrosion of Passive Films on an Fe-17%Cr Alloy 1 111
Localized Corrosion 7 1838
Localized Etching Process Induced by Laser Irradiation 4 943
Loops in Silicon during Oxidation A P 3 759
Low-Noise Contact for Rotating Electrodes 9 L123
Low-Pressure Chemical Vapor Deposition 7 1879
Low-Pressure Chemical-Vapor Deposited Polycrystalline Silicon-Germani 8 2235
Low-Pressure Chemical Vapor Deposition of Si3N4 Thin Films from SiH2 12 3505
Low-Temperature Wafer Bonding of Surfaces Using a Reactive Sputtered 8 2157
LPCVD Reactor A M 2 496
Luminescence and Structural Characterization of Ba5(PO4)3Cl:Eu2+ Pho 7 1851
Luminescence Characterization of In0.12Ga0.88As0.34P0.66 Grown on G 8 2211
Luminescence Quantum Efficiency of the Lamp Phosphor (Ce, Gd, Tb)Mg 8 2201

— M —

Magnesium Chloride Electrolyte at a Graphite Electrode in Weakly Acidic 2 311
Magnetic Field Effects in High-Power Batteries. I. The Penetration of an E 3 703
Magnetic Field Effects in High-Power Batteries. II. Time Constant of a Ra 3 708
Magnetic Properties of Chemically Deposited Cobalt Nickel Phosphorus Fi 9 2386
Magnetically Enhanced Reactive Ion Etching of Boron Nitride Films 12 3456
Magnetron Reactive Ion Etching 10 2825
Magnetron Sputtering 6 1617
Manganese Dioxide and Polypyrrole and Their Properties as an Active Ma 1 10
Manganese Dioxide with H+ Form for Lithium Rechargeable Battery 10 L135
Manganese Dioxide 8 2035
Manganese Oxides as a Solid Electrolyte 4 L35
Manganese Oxide Cathode for Rechargeable Lithium Batteries 7 L76
Manganese Oxide Cathode for Rocking-Chair Lithium-Ion Cells 9 L106
Manganese Oxides 12 3343
Manganese(II) in HClO4 Solutions 9 2422
Mask Erosion A 1 251
Masked InP/InGaAsP by Diffusion-Limited Etching 7 1954
Masks Wet Chemical Etching 6 1594
Mass Spectrometry to Monitor Hydrocarbon Type Impurities in Bulk Nitrog 9 2478
Mass Spectrometric and Kinetic Study of Low-Pressure Chemical Vapor D 12 3505
Mass Transport Phenomena in Proton Exchange Membrane Fuel Cells Usi 8 2084
Mass Transport Phenomena in Proton Exchange Membrane Fuel Cells Usi 8 2089
Mass-Transfer Behavior of Electrochemical Reactors Employing Vibrating 2 437
Mass-Transport Enhancement by Rising Bubble Curtains 10 2590
Material CuInS2 with L 5 1100
Material and Etching Parameters Morphology of Porous n-Ty 4 958
Material for Secondary Sodium and Lithium Polymer Batteries 11 L145
Material for the Negative Electrode in Alkaline Nickel Oxide Secondary Ba 7 1740
Material for Lithium Cells 9 2279
Material for Alkaline Secondary Cells 11 2956
Material in Lithium Secondary Batteries Electrochemical Synthesis 1 10
Material Selectivity in N-GaAs/N-Al0.4Ga0.6As Heterostructures 10 2893
Materials 7 1977
Materials with a Buried C60 Layer Produced by Direct Wafer Bonding 10 L137
Mathematical Model for Planarization of Microelectronic Topographies 2 585
Mathematical Model 3 679
Mathematical Model of the Anodic Oxidation of Lead 9 2416
MBE Growth for Large-Area HgCdTe Infrared Focal-Plane Array Applicatio 10 2888
(MCFC) Synthesis 11 2959
Mechanical Behaviors of Rapid Thermal Processed Ti Films in NH3 2 479
Mechanism Decomposit 2 542
Mechanism at a Fully Immersed Gold Electrode Gas Electrode Rea 5 1191
Mechanism for Acceptor-Limited Electropolishing 2 410
Mechanism for Minimizing Interface States in the Silicon/Silicon-Oxide Sy 8 2227
Mechanism of a-SiC:H Films by Using Hexamethyldisilane in a Remote H2 10 2910
Mechanism of Atmospheric Corrosion of Copper in the Presence of Submi 11 2935
Mechanism of Bright Green Phosphor YAG:Tb 5 1252
Mechanism of Copper and Indium Selenide Films Prepared by Electroche 6 1566
Mechanism of Electroless Ni-P Plating 9 2356
Mechanism of Metallic Particle Growth and Metal-Induced Pitting on Si W 10 2834
Mechanism of Oxide (SiO2-xFx) by Liquid Phase Deposition with H2O Ad 11 3177
Mechanism of Photoresist Residue after Ashing 9 2487
Mechanism of Supposed Negative Fixed Charges in Glass 11 3193
Mechanism of Silicon Oxide by Liquid-Phase Deposition 11 3214
Mechanism of the Hydrogen Evolution Reaction at Raney Nickel Electrode 4 975
Mechanisms for the Atmospheric Corrosion of Lead 4 922
Mechanisms in Low Pressure Selective Epitaxial Silicon Growth 4 1046
Mechanisms of SiO2 in Hydrofluoric Acid 10 2852
Media Microstructural Effects on Electrocataly 2 425
Media 11 3082
Media Electrochemica 9 2430
Media (Molten Carbonate at 650 C) Design of a Gold Ultramicroel 8 2015
Media: A Comparison of Diamond, HOPG, and Glassy Carbon Electrodes 12 3382
Media. V. Electrochemical Analysis of the Oxygen Reduction Mechanism a 5 1191
Mediators Application of the Solid Polymer Electrolyte Method to Or 10 2579
Medium Chemical Attack on Polyp 11 2942
Medium CuInS 5 1095
Medium Electrocat 3 725
Medium 2 330
Medium Temperature Operating Solid Oxide Fuel Cells 2 342
Medium-Resistivity Si Crystals Ac 5 1362
Megabit Dynamic Random Access Memory Devices The E 7 1872
Melt Electrodepo 2 392
Melt 11 3059
Melt Electr 2 388
Melts Re 3 L21
Melts 11 2962
Melts A Reinvestigation 7 1762

Behavior of Nickel Anode in CsF-NH4F-HF
fluence of Oxide on the Electrodeposition of Niobium from Alkali Fluoride
evelopment of an Electrochemical Oxygen Sensor for Czochralski Silicon
f Anodic Processes at Various Types of Carbon Anode in Al2O3-Na3AlF6
eduction on Ruthenium-Oxide Pyrochlore Produced in a Proton-Exchange
ectrotransportation of Aniline Through a Perfluorosulfonate Ion-Exchange
Ion Sensor with Photocurable Polyurethane Polymer
mental Analysis Mass Transport Phenomena in Proton Exchange
tical Analysis Mass Transport Phenomena in Proton Exchange
Fluctuations of Permeation Rate Through an Iron
en Permeation in a Proton-Hole Mixed Conductor and Its Application to a
Selective Electrodeposition of Catalyst Within
ce and Conductivity Study of Alkali Salt Form Perfluorosulfonate Ionomer
Water Uptake of Perfluorosulfonic Acid
ts on the Pause Tail Characteristics of Megabit Dynamic Random Access
Rotating Disk Studies in Molten Carbonates. II.
emical Enthalpy of Activation. The Reduction of Bromate at the Dropping
m/Mercuric Oxide Cells Effect of
Distribution of Photoresist over GaAs
Effect of SiO2 Colloid on the Electrodeposition of Zinc-Iron Group
oethylene in Acetonitrile Composite Electrodes Consisting of
bS-CuS Thin Films Interfacial Diffusion of
Chromium-Free Etch for Revealing and Distinguishing
ysts to Ligating Self-Assembled Monolayer Films for Selective Electroless
to Studies of Li Electrodes Impedance Spectroscopy of Nonactive
omplexes in the Vapor of the Na-Sn-Br-I System and Their Relevance for
Electrochemical Evaluation of La-Ni-Sn
ayers
Incorporation of Impurity
r and Indium Selenide Films Prepared by Electrochemical Selenization of
An Absorbing Layer Approach to Reducing Reflections in Multilayer
lation-Intercalation Reaction and Structural Change in Lithium Transition
Electrodeposition of Mixed
lculations of the Electrical Effects Induced by Structural Imperfections on
ct of High Temperature Anneal on Electrical Stress-Generated Defects in
tion of Generation Lifetime in Trap-Rich and Layered Semiconductors by
ry Mixing Effect of
Evaluation of an Effective Platinum
mperature (<900 C) RTA on the Conductivity of As-Implanted Layers and
Optimization of Composition and Structure of
Mechanism of Metallic Particle Growth and
Effect of Negative Air Corona-Stress on
Silicon
Electrodeposition of Al-Cr
Wet Chemical Processing Mechanism of
Electrochemical Planarization for Multilevel
Behavior of TiN and Ti Barrier Metals in Al-Barrier-Al Via Hole
Measurement of Mobile Ion Contamination in Multilayer
Industry A Galvanic Series for Thin-Film
High Temperature Ohmic Contact
Films in NH3 A Study of Electrical,
ncorporation and Precipitation in Semi-Insulating Fe-Doped InP Grown by
Ellipsometric Examination of Structure and Growth Rate of
Deoxidation of Molten
Behavior of TiN and Ti Barrier
The Electronic and Ionic Contributions to the Free Energy of Alkali
Barium
t Growth
Lifetime Study of
ethanol Using ZnS Microcrystallite as a Photocatalyst in the Presence of
Temperature-Dependent
Several Functional-Group Characteristics Electro-oxidation of
lectrolyte The Influence of
Anodic Oxidation of
nol Dehydrogenase Photochemical Reduction of Carbon Dioxide to
On the Homogeneous Chemistry of the Thermal Decomposition of
ed Al-Si Alloys
Preparation of
itu Monitoring of Phosphatation Reactions on Zn Using the Quartz Crystal
Calibration of an Electrochemical Quartz Crystal
ether) Composite Film Electrochemical Quartz Crystal
n Gold Electrodes Application of an Electrochemical Quartz Crystal
racterization of Sputter-Deposited LiMn2O4 Thin Films for Rechargeable
Direct Nickel Plating on Aluminum Substrate for
Atomic Force
ction Design of Electrocatalyst for CO2 Reduction. V. Effect of the
Photochemical Reduction of Carbon Dioxide to Methanol Using ZnS
strates by Thermal CVD of TEOS and O2
Synthesis and Characterization of Ru-Ti4O7
re and Concentration Dependence of Physicochemical Parameters
A Mathematical Model for Planarization of
ies for Thin-Film Metallizations and Barrier Layers Commonly Used in the
. Solid Solution Alloys A
I. The Role of Al3Ta Precipitates in Breakdown A
Chemically Assisted Ion Beam Etching for Silicon-Based
mens in Integrated PECVD/Ozone-TEOS SACVD Processes for Sub-Half
psometry Substrate Doping and
rogen Fluoride by a Surfactant Addition Prevention of
pitates in CZ-Grown Si Wafers with a Phase Differential Scanning Optical
sition of Nickel Hydroxide Structures Using the Scanning Electrochemical
Selected Dissolution of Aluminum Initiated by Atomic Force
X-Ray Photoelectron Spectroscopy Analysis and Scanning Electron
emistry. XVII. Indirect Electrochemical Debromination Using Viologens as
Evolution of
ring of Electrode Surface Modification via Confocal Scanning Beam Laser
Silica Films on Silicon. Thickness Measurement by Electron
Spectroscopic Ellipsometry and Atomic Force
In Situ Atomic Force
olayer on Au(111) In Situ Scanning Tunneling
Use of Atomic Force
Use of In Situ Atomic Force

Melts 6 1480
Melts The In 5 1212
Melts D 9 2564
Melts Used in the Electrolytic Production of Aluminum A Chronoam 8 2103
Membrane Oxygen R 4 L51
Membrane El 7 1827
Membrane 9 L111
Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. I. Experi 8 2084
Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. II. Theore 8 2089
Membrane Induced by Hydrogen Bubbles 8 2059
Membrane Reactor Electrochemical Hydrog 7 1720
Membrane-Electrode Structures 1 46
Membranes AC Impedan 2 448
Membranes from Liquid Water and Water Vapor 6 1493
Memory Devices The Effect of the Crystal Grown-in Defec 7 1872
Meniscus and Film Effects 3 622
Mercury Electrode in Alkaline Solutions Negative Apparent Electroc 5 1183
Mercury-Silver Alloy Composition on the Open-Circuit Voltage of Cadmiu 10 2587
Mesa Structures 2 576
Metal Alloy Composites 4 954
Metal and Oxidized Carbon Particles for Complete Degradation of Trichlor 6 1522
Metal Atoms during Air Annealing of Chemically Deposited ZnS-CuS and P 9 2536
Metal Contamination Defects in Silicon 10 2821
Metal Deposition Covalent Binding of Pd Catal 1 210
Metal Distribution in Jet Plating 3 691
Metal Electrodes at Low Potentials in Propylene Carbonate Solutions. A C 7 1808
Metal Fluoride Thin Films Prepared by Atomic Layer Deposition 5 1278
Metal Halide Lamps Study of the Heteroc 10 2774
Metal Hydride Alloys 8 L89
Metal Impurity Evaluation in Silane Gas from the Qualification of Poly-Si L 1 274
Metal Ions in Electrolytic Manganese Dioxide 8 2035
Metal Layers Structural Properties and Growth Mechanism of Copp 6 1566
Metal Lithographic Processes 5 1375
Metal Nitride, Li_7MnN_4 Li Deinterca 11 2966
Metal Oxides from the Eutectic Sodium-Potassium Nitrate Melt 2 392
Metal Oxide Semiconductor Capacitors Numerical Ca 6 1621
Metal Oxide Semiconductor Structures The Effe 8 2140
Metal Oxide Semiconductor Measurements Determina 8 2151
Metal Oxides on Negative Electrode Reactions in the Nickel-Hydride Batte 9 2306
Metal Surface Area in a Phosphoric Acid Fuel Cell 7 1804
Metal to P+ Contact Resistance Effect of Low Te 8 2223
Metal-Hydride Electrodes 7 1747
Metal-Induced Pitting on Si Wafer Surface in Wet Chemical Processing 10 2834
Metal-Oxide-Semiconductor Capacitors 2 572
Metal-Oxide-Semiconductor Capacitance Measurements on Amorphous 9 2474
Metallic Glass 9 L115
Metallic Particle Growth and Metal-Induced Pitting on Si Wafer Surface in 10 2834
Metallization 9 2503
Metallization 4 1056
Metallization by Triangular Voltage Sweep 7 1862
Metallizations and Barrier Layers Commonly Used in the Microelectronics 3 807
Metallizations for n-Type 3C-SiC 2 579
Metallurgical, and Mechanical Behaviors of Rapid Thermal Processed Ti 2 479
Metalorganic Chemical Vapor Deposition Fe I 1 242
Metalorganic Chemical Vapor Deposited Ta_2O_5 Films on Si(100) 3 853
Metals by Short Circuiting Yttria-Stabilized Zirconia Electrolyte Cell 2 467
Metals in Al-Barrier-Al Via Hole Metallization 4 1056
Metals in Intercalation Compounds 9 2297
Metaplumbate for Lead/Acid Batteries 12 3300
Metastable Pitting of Aluminum and Criteria for the Transition to Stable Pi 11 3028
Metastable Surface Recombination Centers in n-Type Silicon Wafers 6 1590
Methanol Dehydrogenase Photochemical Reduction of Carbon Diox 6 1498
Methanol Electro-oxidation on Well-Characterized Pt-Ru Alloys 7 1795
Methanol in Sulfuric Acid Electrolyte on Platinized-Carbon Electrodes with 6 1517
Methanol on O2 Electroreduction at a Rotating Pt Disk Electrode in Acid E 7 1770
Methanol on Pt/WO3 in Acidic Media 11 3082
Methanol Using ZnS Microcrystallite as a Photocatalyst in the Presence of 6 1498
Methyltrichlorosilane. Thermodynamic Analysis and Kinetic Modeling 6 1599
Mg Content Dependence of the Electromigration Resistance of Fine-Grain 10 2857
Microarray Electrodes by Sonochemical Ablation of Polymer Films J 123
Microbalance In S 10 2655
Microbalance during Localized Corrosion 7 1838
Microbalance Investigation of a Poly(pyrrole)/Sulfated Poly(Beta-hydroxy 8 2004
Microbalance to a Study of the Anodic Deposition of PbO2 and Bi-PbO2 F 3 652
Microbatteries Cha 12 3296
Microbump Formation 7 1791
Microcopy Observation of Si(100) Surface after Hydrogen Annealing 11 3259
Microcrystalline Structures of Cu-Sn and Cu-Zn Alloys on the Electrocata 8 2054
Microcrystallite as a Photocatalyst in the Presence of Methanol Dehydrog 6 1498
Microdefects in Oxide Films Deposited on Featured Surfaces of VLSI Sub 11 3154
Microelectrode Arrays 4 1014
Microelectrode Study of the Lithium/Propylene Carbonate Interface: Tem 11 3053
Microelectronic Topographies 2 585
Microelectronics Industry A Galvanic Ser 3 807
Microellipsometric Study of the Passive Film Formation on Al-Ta Alloys. I 5 1126
Microellipsometric Study of the Passive Film Formation on Al-Ta Alloys. I 5 1132
Microfabrication 6 1585
Micron Gap Fill. Electrostatic Effects Surface Related Pheno 8 2172
Microroughness Effects in RTP Temperature Measurement by In Situ Elli 3 737
Microroughness Generation on the Silicon Wafer Surface in Buffered Hyd 10 2899
Microscope Observation of Oxygen Preci 9 L120
Microscope Depo 4 995
Microscope Tip-Surface Interaction 4 L43
Microscopic Observation of the Lithium Surface Immersed in Nonaqueous 9 2379
Microscopic Phase-Transfer Mediators Application of the Solid Pol 10 2579
Microscopic Surface Topography during Passivation of Aluminum 6 1446
Microscopy In Situ Monito 11 L153
Microscopy and Ellipsometry 7 1832
Microscopy of Polyphenylene Oxide Films 1 306
Microscopy Study of the Plating and Stripping of Silver 1 116
Microscopy Studies of the Formation and Reduction of a Gold Oxide Mon 5 1291
Microscopy to Image Surfaces during Fluid Flow 7 L85
Microscopy to Image Copper Electrodeposits on Platinum 5 1186

Use of In Situ Atomic Force
Nano-Grained Thin-Film Platinum in Acid Media
sis Electrical and
Fast Impedance Analysis of a Surface
esonance Plasmas Kinetics and Compositional Dependence on the
Reliability Implications of Lateral Alkali-Ion
Fluorine-Enhanced Boron
Modified Constant-Current Anodization. A Promising Mechanism for
Use of Underpotential Deposition of Zinc to
Electrochemical Hydrogen Permeation in a Proton-Hole
Physical Properties of
Structural Properties of SnO2 and Sb:SnO2 Transparent Electrodes with
Electrodeposition of
el-Hydride Battery
ry of Thermocells. Transported Entropies and Heat of Transfer in Sulfate
n Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2
n Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2
phors
Photoluminescence of
Low Voltage Cathodoluminescence of
Sweep Measurement of
in Propylene Carbonate and Gamma-Butyrolactone
of Growth Process and Corrosion Resistance of Nb2O5 Films Formed by
oethylphosphine, Benzylphosphine, and Cyclopentylphosphine during InP
An Oxynitride ISFET Modified for Working in a Differential
Anisotropic Chemical Pattern Etching of Copper Foil. III. Mathematical
ydrogenation of Glucose. II. Raney Nickel Powder Flow-Through Reactor
for Galvanostatic Discharge of Hydride Electrodes. I. Development of the
Modeling of Cylindrical Alkaline Cells. VII. A Wound Cell
A Mathematical
pid Thermal System A Predictive
Impedance Analysis of a
Global
A Point Defect Based Two-Dimensional
Mathematical
Electrode Application of the Flooded-Agglomerate
omposition of Methyltrichlorosilane. Thermodynamic Analysis and Kinetic
Si Deposition from Chlorosilanes. I. Deposition
Hydrofluoric Acid Etching of Silicon Dioxide Sacrificial Layers. II.
Feature-Scale Fluid-Based Erosion
s
Characteristics and
ater Reactor
Dynamic Power Profile Three-Dimensional Thermal
inc Electrowinning in Acidic Sulfate Electrolytes: Impedance Analysis and
he Crevice Corrosion of Alloy 625
emical Vapor Deposition Furnace
ydrogen Peroxide Etching Solutions in the Processing of Pseudomorphic
silanes for the Protection of Copper Against Corrosion A Chemical
s
posite Films on Electrodes. Preparation Through Alternate Immersions in
In Situ Monitoring of Electrode Surface
Ionic Conductivity of a Polymer Electrolyte with
tates in the Silicon/Silicon-Oxide System of an Anodic Oxide Film
olytes AC Impedance at Redox-Polymer
An Oxynitride ISFET
An Electroanalytical Investigation of Polybithiophene
Electrochemical Reduction of Carbon Dioxide at Dual-Film Electrodes
fficient Photoelectrochemical Solar Cells Equipped with an n-Si Electrode
Improvement of the Gate Oxide Integrity by
Dual-Bath Electrodeposition of Cu/Ni Compositionally
volution of the Impedance of the Silicon/Electrolyte Interface by Potential
oom Gas-Delivery Systems Measurement of
Hopping Conduction in
Rotating Disk Studies in
Rotating Disk Studies in
sm at a Fully Immersed Gold Electrode Gas Electrode Reactions in
The Exchange Current Density of Oxide Cathodes in
for Voltammetric Studies at High Temperature in Glass-Corrosive Media
hium Carbonate Rotating Disk Studies in
Synthesis and Performance of LiCoO2 Cathodes for the
Corrosion of Nickel in
Comparative Study of NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for
Dual Intercalating
Electrochemistry of Molybdenum Solutions in
Anodic Oxidation of Sulfide Ions in
l Deoxidation of
Solubility of AgCl in
mCl Ionic Liquid The Ternary HCl:ImCl:AlCl3 Ambient-Temperature
ty and Electrochemistry of Lithium in Room Temperature Chloroaluminate
tion of Palladium Chloride onto Solid Electrodes from Room Temperature
ne-Based Electroactive Film Prepared in an Imidazolium Chloroaluminate
Reactions of Tetrathiafulvalene in Ambient Temperature Chloroaluminate
rent Distribution in a Positive Current Collector of a Sodium-Selenium(IV)
Electrochemistry of
of Underpotential Deposition of Zinc to Mitigate Hydrogen Absorption into
Use of Atmospheric Pressure Ionization Mass Spectrometry to
m Laser Microscopy In Situ
crobalance In Situ
Electrochemical Behavior of n-Type CdTe in the Presence of a
Covalent Binding of Pd Catalysts to Ligating Self-Assembled
eling Microscopy Studies of the Formation and Reduction of a Gold Oxide
Corrosion A Chemical Modification of Alkanethiol Self-Assembled
Diamond Resistors Fabricated
LPCVD Reactor A
Solution Coloration Dynamics of Spin-Coated
position on Titanium Carbide Using Silane and Ethylene
e Using Ethylene, Carbon Tetrachloride, and Silicon Tetrachloride
n Effects of Temperature and Powder

Microscopy to Image Corrosion at Inclusions 6 1439
Microstructural Effects on Electrocatalytic Oxygen Reduction Activity of 2 425
Microstructural Studies of SnO2 Ceramics Obtained by Tin Sulfate Pyroly 11 3254
Microstructure during Anodic Oxidation of a Copper/Gold Alloy 12 3416
Microwave Power and SiH4/N2 Flow Ratio of Silicon Nitride Deposited by 11 3234
Migration in MOS Integrated Circuits 11 3250
Migration into Oxide from Underlying Silicon 5 1381
Minimizing Interface States in the Silicon/Silicon-Oxide System of an Ano 8 2227
Mitigate Hydrogen Absorption into Monel K500 5 1220
Mixed Conductor and Its Application to a Membrane Reactor 7 1720
Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped CeO2 8 2122
Mixed Electronically Conductive and Ion-Storage Characteristics El 9 L127
Mixed Metal Oxides from the Eutectic Sodium-Potassium Nitrate Melt 2 392
Mixing Effect of Metal Oxides on Negative Electrode Reactions in the Nick 9 2306
Mixtures Theo 5 1236
Mixtures. I. Experimental Analysis Mass Transport Phenomena i 8 2084
Mixtures. II. Theoretical Analysis Mass Transport Phenomena i 8 2089
Mn2+ Concentration Effect on the Optical Properties of Zn2SiO4:Mn Phos 2 524
Mn2+-Activated ZnGa2O4 7 1950
Mn2+-Activated ZnGa2O4 8 2198
Mobile Ion Contamination in Multilayer Metallization by Triangular Voltage 7 1862
Mobility and Ionic Association of Lithium and Quaternary Ammonium Salts 12 3336
MOCVD Ellipsometric Analysis 6 1689
MOCVD Growth Studied by FTIR Spectroscopy. Criteria for the Design of 7 1886
Mode for pH Detection 2 535
Model 3 679
Model The Electrocatalytic H 10 2742
Model Hydrogen Surface Concentration and Overpotential 8 2108
Model 7 1751
Model for Planarization of Microelectronic Topographies 2 585
Model for the Chemical Vapor Deposition of Polysilicon in a Cold Wall, Ra 6 1658
Model Mechanism for Acceptor-Limited Electropolishing 2 410
Model of Plasma Chemistry in a High Density Oxygen Discharge 6 1546
Model of the Evolution of Dislocation Loops in Silicon during Oxidation 3 759
Model of the Anodic Oxidation of Lead 9 2416
Model to Study Oxygen Reduction on Thin Porous Coating Rotating Disk 2 431
Modeling On the Homogeneous Chemistry of the Thermal Dec 6 1599
Modeling 8 2072
Modeling 1 270
Modeling for Chemical-Mechanical Polishing 7 1900
Modeling, Identification, and Control of Rapid Thermal Processing System 11 3200
Modeling of a Solid State Hydrogen Sensor 2 461
Modeling of Cylindrical Alkaline Cells. V. High Discharge Rates 1 15
Modeling of Cylindrical Alkaline Cells. VI. Variable Discharge Conditions 1 28
Modeling of Charge Carrier Transport in Photoetching of Gallium Arsenide 2 546
Modeling of Cylindrical Alkaline Cells. VII. A Wound Cell Model 7 1751
Modeling of CVD of Silicon Dioxide Using TEOS and Ozone in a Single-W 12 3462
Modeling of Lithium-Polymer Batteries under Galvanostatic Discharge and 11 2947
Modeling of the Influence of Nickel Impurities Z 1 131
Modeling of the Factors Contributing to the Initiation and Propagation of t 11 3006
Modeling the Wafer Temperature Profile in a Multiwafer Low Pressure Ch 1 161
MODFETs The Applications of Citric Acid/H 4 1082
Modification of Alkanethiol Self-Assembled Monolayers with Alkyltrichloro 8 2018
Modification of Polyethyleneterephthalate by Implantation of Nitrogen Ion 2 582
Modification Solutions Polyoxometallate-based Layered Com 1 140
Modification via Confocal Scanning Beam Laser Microscopy 11 L153
Modified Carbonate as a Plasticizer for Poly(ethylene oxide) 4 886
Modified Constant-Current Anodization. A Promising Mechanism for Minim 8 2227
Modified Electrodes. Effects of Dilute and Highly Resistive Bathing Electr 10 2722
Modified for Working in a Differential Mode for pH Detection 2 535
Modified Platinum Electrodes 10 2608
Modified With and Without Cobalt(II) and Iron(II) Complexes 2 419
Modified with Colloidal Platinum Particles E 11 3090
Modifying Crystal Pulling and Its Impact on Device Failures 5 1398
Modulated Multilayers 1 230
Modulated-Microwave-Measurements Decon 12 L171
Moisture and Total Hydrocarbon Contributions by Valves Used in Clean R 6 1653
Molecular Beam Epitaxial GaAs Grown at Very Low Temperatures 3 747
Molten Carbonates. I. Electrode Design 3 619
Molten Carbonates. II. Meniscus and Film Effects 3 622
Molten Carbonate Media. V. Electrochemical Analysis of the Oxygen Redu 5 1191
Molten Carbonates 7 1725
(Molten Carbonate at 650 C) Design of a Gold Ultramicroelectrode 8 2015
Molten Carbonates. III. Diffusion Coefficient and Bulk Concentration in Lit 9 2338
Molten Carbonate Fuel Cell (MCFC) 11 2959
Molten Carbonate 11 3040
Molten Carbonate Fuel Cells A 12 3429
Molten Electrolyte Batteries 7 L73
Molten LiCl-KCl Eutectic at 500 C 9 2286
Molten Lithium Fluoride 10 2642
Molten Metals by Short Circuiting Yttria-Stabilized Zirconia Electrolyte Cel 2 467
Molten NaCl-AlCl3 and KCl-AlCl3 4 895
Molten Salt System. Expansion of the Electrochemical Window on Proton 3 L19
Molten Salts Stabili 4 873
Molten Salts Electrodeposition of Palladium and Adsorp 4 1000
Molten Salt A Sila 7 1709
Molten Salts Heterogeneous and Homogeneous Electron Transfer 7 1713
Molten Salt Battery Cur 9 2413
Molybdenum Solutions in Molten LiCl-KCl Eutectic at 500 C 9 2286
Monel K500 Use 5 1220
Monitor Hydrocarbon Type Impurities in Bulk Nitrogen 9 2478
Monitoring of Electrode Surface Modification via Confocal Scanning Bea 11 L153
Monitoring of Phosphatation Reactions on Zn Using the Quartz Crystal Mi 10 2655
Monoelectronic Oxidizing Agent (Ce4+) 9 2409
Monolayer Films for Selective Electroless Metal Deposition 1 210
Monolayer on Au(111) In Situ Scanning Tunn 5 1291
Monolayers with Alkyltrichlorosilanes for the Protection of Copper Against 8 2018
Monolithically on Diamond Film Substrate 12 3522
Monte Carlo Simulation Study of Radiation Heat Transfer in the Multiwafer 2 496
MoO3.nH2O Electrochromic Films Fabricated from Peroxo-Polymolybdate 4 876
Morphological Structure of Silicon Carbide Grown by Chemical Vapor De 3 765
Morphological Structure of Silicon Carbide, Chemically Vapor Deposited 3 771
Morphologies on the Cementation Rate of Copper in Alkaline Zinc Solutio 3 664

n of Pure Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics and Scale Annealing
On the Formation of Defects and
CuInS2 with Lamellar
I CuInS2 with Lamellar
Codeposited Chromium-Aluminide Coatings. II. Kinetics and Etching. I. Correlations with Material and Etching Parameters
Sol-Gel Process
The Role of Induced Convection in Branched Electrodeposit
Reliability Implications of Lateral Alkali-Ion Migration in
Surface Analysis and Electrochemistry of
Oxide Degradation Caused by Anomalous Oxidation of BF2 Ion Implanted
on Stainless Steel In Situ
Interdiffusion, Phase Transformation, and Epitaxial CoSi2 Formation in
Structure of TiO2/SiO2
An Absorbing Layer Approach to Reducing Reflections in
Measurement of Mobile Ion Contamination in
tic of Bright Tin Deposition in View of the Electrolytic Synthesis of NiP/Sn
Dual-Bath Electrodeposition of Cu/Ni Compositionally Modulated
Electrochemical Planarization for
Study of the Redox Process of Poly(2-Naphthol) Film Using In Situ
en Passivation of HF-Last Cleaned (100) Silicon Surfaces Investigated by
mical Vapor Deposited Amorphous Silicon and Polysilicon
Surface Damage on GaAs Etched Using a
Modeling the Wafer Temperature Profile in a
A Monte Carlo Simulation Study of Radiation Heat Transfer in the

Determination of Sub-Parts per Billion Boron Contamination in
Shallow
Chemical Bath Deposition of ZnSe and CuSe Thin Films Using
Laser-Enhanced Material Selectivity in
Study of the Oxidation of
Efficient Photoelectrochemical Solar Cells Equipped with an
gmuir-Blodgett Layer of Ultrafine Platinum Particles and Its Application to
Hot Electron Reduction at Etched
Analysis of Current/Voltage Curves at
High Temperature Ohmic Contact Metallizations for
Electrochemical Behavior of
with Material and Etching Parameters Morphology of Porous
Lifetime Study of Metastable Surface Recombination Centers in
Thermal Oxidation of SiC in
Characteristics of Thin Oxides Grown by Rapid Thermal Oxidation of Si in
Growth Rate and Characterization of Silicon Oxide Films Grown in
cs Uniformity of the
Electronic Conductivity of Polycrystalline
Study of the Heterocomplexes in the Vapor of the
ontact Effects of
Analysis and Thermochemistry of the Vapor of the
Solubility of AgCl in Molten
chemical Techniques for Studying Electrodeposition of Niobium in Fused
Toluene and Benzoic Acid on the Kinetics of Ferrous Oxidation on Pt and
Polymer Electrolyte Fuel-Cell Electrodes Electrocatalytic Activity of
stallization Characteristics of Phosphorus-Doped Amorphous Silicon "Slit
Microstructural Effects on Electrocatalytic Oxygen Reduction Activity of
Electrochemically Layered Copper-Nickel
Fast Electrochromic Switching with
asured by In Situ Spectroscopic Ellipsometry
f Hydrogen Sorption/Desorption at/within Oxide-Derived Pd Electrodes in
AC Impedance Studies of Highly Oriented Pyrolytic Graphite in 1 M
Electrochromic Oxidation and Reduction of Cobalt and Zinc
er Batteries Orthorhombic
A Reinvestigation of the Electrochemical Behavior of
Ellipsometric Analysis of Growth Process and Corrosion Resistance of
A Novel Synthetic Route to
Ionic Conductivity of Dual-Phase Polymer Electrolytes Comprised of
Oxide Ionic Conductivity of Doped
Effect of
f Bromate at the Dropping Mercury Electrode in Alkaline Solutions
A Novel Active Material for the
Mixing Effect of Metal Oxides on
Formation Mechanism of Supposed
Study of the Oxidation of n-InP with Low Carrier Concentrations in the
lectrochemical Behavior of Lithium Electrolytes Based on New Polyether
stems Tables of Degenerate Electrical
The Role of Oxygen Reduction in Electrical Stimulation of
Holes
nesium Chloride Electrolyte at a Graphite Electrode in Weakly Acidic and
essure Chemical Vapor Deposition of Si3N4 Thin Films from SiH2Cl2 and
rgical, and Mechanical Behaviors of Rapid Thermal Processed Ti Films in
Electrical Properties of Thin Anodic Oxides Formed on Silicon in Aqueous
Strength Improvement by Adding a Phosphonic Acid Chelating Agent into
Electrochemical Deposition of Uniform Lithium on an
uence of Thermal Treatments on the Adhesion of Electrolessly Deposited
Oxygen Recombination in Sealed
Thermal Stability of Ni-P and
Electrolytic Codeposition of
Thermal Stability of
Fluorine-Passivated Electroless
On the Mechanism of Electroless
Preparation of
Rapidly Quenched Ni64Zr36 Fiber Anodes for
Electrodeposition of
Electrochemical Adsorption-Desorption of Hydrogen on Amorphous
Rapidly Quenched
Behavior of
ffect of Solution pH and Heat-Treatment on the Properties of Electroless
ss and Deposit Structure Effects of Oxygen Reduction on
trogravimetry with Controlled Hydrodynamics. Application to the Study of
Study of the Mechanism of the Hydrogen Evolution Reaction at Raney
e Hydrogen Evolution Reaction on Porous Lanthanum-Phosphate-Bonded
oton Diffusion, Electron Conductivity, and Charge-Transfer Resistance on

Morphology The Role of Reactive Elements on Scale Growth in Hig 7 1905
Morphology Change of Oxide Precipitates in CZ Silicon during Two-Step 12 3588
Morphology during Chemical Vapor Deposition of Tungsten 8 2193
Morphology. I. Efficient Photoanodes in Acidic Polyiodide Medium 5 1095
Morphology. II. Photoelectrochemical Behavior of Heterogeneous Materia 5 1100
Morphology of Coating Growth 10 2690
Morphology of Porous n-Type Silicon Obtained by Photoelectrochemical 4 958
Morphology of Ultrafine RuO2-IrO2 Binary Oxide Particles Prepared by a 9 L118
Morphology Selection 5 1206
MOS Integrated Circuits 11 3250
MoS2 Thin Films Prepared by Intercalation-Exfoliation Techniques 3 629
MoSi2 on Polycrystalline Silicon Gate 9 2552
Multielement XANES Study of Formation and Reduction of the Oxide Film 1 L6
Multilayer Co/Ti-Si(100) System 12 3480
Multilayer Films 1 237
Multilayer Metal Lithographic Processes 5 1375
Multilayer Metallization by Triangular Voltage Sweep 7 1862
Multilayers Electrochemical Diagnos 2 397
Multilayers 1 230
Multilevel Metallization 9 2503
Multiple Internal Reflection FTIR Spectroscopy 1 156
Multiple Internal Reflection Infrared Spectroscopy Hydrog 11 3128
Multiple-Angle Incident Ellipsometry Measurement on Low Pressure Che 8 2146
Multipolar Electron Cyclotron Resonance Source 1 255
Multiwafer Low Pressure Chemical Vapor Deposition Furnace 1 161
Multiwafer LPCVD Reactor 2 496

— N —

N+ Czochralski Silicon Substrates by SIMS 12 3453
n+ Junctions in Silicon by Arsenic Gas-Phase Doping 5 1378
N,N-Dimethylselenoures 3 802
N-GaAs/N-Al0.4Ga0.6As Heterostructures 10 2893
n-InP with Low Carrier Concentrations in the Negative Potential Region 5 1161
n-Si Electrode Modified with Colloidal Platinum Particles 11 3090
n-Si for Efficient Photoelectrochemical Solar Cells Preparation of a 11 3077
n-Si/Pt Thin Film Electrodes 9 2402
n-Si/SiO2/Pt Electrodes. Evidence for Hot Electron Reduction 12 3375
n-Type 3C-SiC 2 579
n-Type CdTe in the Presence of a Monoelectronic Oxidizing Agent (Ce4+) 9 2409
n-Type Silicon Obtained by Photoelectrochemical Etching. I. Correlations 4 958
n-Type Silicon Wafers 6 1590
N2O 11 L150
N2O Effects of Oxide Thickness and Oxidation Parameters on the El 11 3222
N2O Atmosphere in a Rapid Thermal Processor 1 259
N2O Furnace Oxynitride Process for the Formation of Thin Tunnel Dielectri 12 3500
Na-Beta-Alumina at High Temperatures 10 2779
Na-Sn-Br-I System and Their Relevance for Metal Halide Lamps 10 2774
Na2CO3 Addition on the Gas Sensing Characteristics of CuO/ZnO Heteroc 5 L53
NaBr-DyBr3 System 10 2769
NaCl-AlCl3 and KCl-AlCl3 4 895
NaCl-KCl Transient Electro 12 3306
Nafion-Coated Pt Electrodes Effects of 6 1483
Nafion-Impregnated Pyrolyzed Cobalt Phthalocyanine A Correlative Stud 1 41
Nano Wire" Nucleation and Cry 5 1392
Nano-Grained Thin-Film Platinum in Acid Media 2 425
Nanocomposites with Enhanced Hardness 1 L10
Nanocrystalline Oxide Semiconductor Films 7 L82
Nanoscale Dimensional Changes and Optical Properties of Polyaniline Me 4 859
NaOH and H2SO4 Voltammetric Investigation o 11 2996
NaOH Solution 10 2716
Naphthalocyanine Thin Films 1 64
NaxMnO2 as a Cathode Material for Secondary Sodium and Lithium Polym 11 L145
Nb(V) in AlCl3-NaClSAT and Related Melts 7 1762
Nb2O5 Films Formed by MOCVD 6 1669
Nb2O5 Thin Films for Electrochromic Devices 3 L29
NBR/SBR Latex Films Swollen with Lithium Salt Solutions 8 1989
NdAlO3 Perovskite-Type Oxides 12 3444
Negative Air Corona-Stress on Metal-Oxide-Semiconductor Capacitors 2 572
Negative Apparent Electrochemical Enthalpy of Activation. The Reduction 5 1183
Negative Electrode in Alkaline Nickel Oxide Secondary Batteries 7 1740
Negative Electrode Reactions in the Nickel-Hydride Battery 9 2306
Negative Fixed Charges in Glass 11 3193
Negative Potential Region 5 1161
Networks E 7 1915
Networks for Use in the Equivalent-Circuit Analysis of Electrochemical Sy 7 1823
Neural Tissue 1 122
Neutral Particle Flux Calculations in Plasma Etching for Cylindrical Trench 9 2453
Neutral Solutions Cyclic Voltammetry of the Uranyl Ion in Mag 2 311
NH3 Mass Spectrometric and Kinetic Study of Low-Pr 12 3505
NH3 A Study of Electrical, Metallu 2 479
NH4OH Solutions 5 1309
NH4OH-H2O2 Solution Thin-Oxide Dielectric 10 L139
Ni Substrate in a Nonaqueous Electrolyte 9 L108
Ni(P) Layers on Alumina Ceramic The Infl 3 816
Ni-Cd Cells with Fiber Substrates 10 2614
Ni-Cu-P Amorphous Alloys 10 2864
Ni-Gamma Al2O3 Thin Films 3 689
Ni-P and Ni-Cu-P Amorphous Alloys 10 2864
Ni-P Films 10 2649
Ni-P Plating 9 2356
Ni-Sn Alloys by an Electroless-Deposition Method 6 1471
Ni/Hydride Rechargeable Batteries 12 3291
Ni1-xAlx in a Chloroaluminate Melt 11 3059
Ni40Nb60 in Alkaline Media 9 2430
Ni64Zr36 Fiber Anodes for Ni/Hydride Rechargeable Batteries 12 3291
Nickel Anode in CsF-NH4F-HF Melts 6 1460
Nickel Boron Films The E 1 76
Nickel Deposition from Unbuffered Aqueous Solutions I. Deposition Proce 8 2030
Nickel Electrodeposition Quartz Crystal Elec 9 L103
Nickel Electrodes in the Presence of Organic Compounds 4 975
Nickel Electrodes Influence of Physicochemical Properties of Alkali 5 1225
Nickel Hydroxide Discharge Curves Effect of Pr 2 346

Effect of Iron on the Electrochemical Properties of the
pe Deposition of
Enhanced Electrochromic Property of
ulfate Electrolytes: Impedance Analysis and Modeling of the Influence of
Corrosion of
X-Ray Absorption Fine Structure Spectra and the Oxidation State of
active Elements on Scale Growth in High-Temperature Oxidation of Pure
Characterization of Nonstoichiometric
Laminated Electrochromic Windows Based on
A Novel Active Material for the Negative Electrode in Alkaline
H2-H2O Atmospheres Preparation of
Control of Magnetic Properties of Chemically Deposited Cobalt
Direct
. I. Kinetics of Hydrogen Evolution and Glucose Hydrogenation on Raney
The Electrocatalytic Hydrogenation of Glucose. II. Raney
Protective Treatments for
Mixing Effect of Metal Oxides on Negative Electrode Reactions in the
Thermal Characteristics of a
Electrodes in Alkaline Water Electrolysis Study of Electrodeposited
On the Amorphous and Crystalline State of Electrodeposited
Water Electrolysis Study of Electrodeposited Nickel-Molybdenum,
Cells A Comparative Study of
The Influence of Oxide on the Electrodeposition of
Transient Electrochemical Techniques for Studying Electrodeposition of
Electrochromism of
Electrochromic Properties of
Theoretical Analysis of the Discharge Performance of a
iagnostic of Bright Tin Deposition in View of the Electrolytic Synthesis of
The Effect of Sulfur on the Passivation of Iron in Calcium
Electrodeposition of Copper Oxide from the Eutectic Sodium-Potassium
trodeposition of Mixed Metal Oxides from the Eutectic Sodium-Potassium
osited on Smooth and Rugged Polycrystalline Silicon after Rapid Thermal
m Tetrachloride A Kinetic Study of Titanium
A Thermodynamic Analysis of Selective Area CVD of Titanium
l Dependence on the Microwave Power and SiH4/N2 Flow Ratio of Silicon
al Nitridation Physical and Electrical Characteristics of Thin Silicon
apor Deposition C-V Characteristics of Amorphous Silicon
asma-Assisted Chemical Vapor Deposition and Characterization of Boron
en Bonding Characteristics on the Corrosion of Plasma-Deposited Silicon
High Selectivity Magnetically Enhanced Reactive Ion Etching of Boron
Synthesis of Carbon
-Intercalation Reaction and Structural Change in Lithium Transition Metal
Widegap Column-III
Spectroscopic Ellipsometry Investigation of Amorphous Silicon
sition Electrokinetic Characteristics of
ation Mass Spectrometry to Monitor Hydrocarbon Type Impurities in Bulk
Enhancement of the Reactive Deposition Rate of TiN Films at Low
A Kinetic Study of Titanium Nitride Chemical Vapor Deposition Using
Modification of Polyethyleneterephthalate by Implantation of
Grain-Size Effects in Tungsten Oxide-Based Sensor for
Behavior of
ation with Electrochemical Impedance Spectroscopy and Electrochemical
oise Resistance from Simultaneous Electrochemical Voltage and Current
Noise Data Calculation of
omparison to Studies of Li Electrodes Impedance Spectroscopy of
haracterization of Crystal Originated Defects in Czochralski Silicon Using
Electrochemical Deposition of Uniform Lithium on an Ni Substrate in a
Electroluminescence and Chemiluminescence of Porous Silicon in
ing Electron Microscopic Observation of the Lithium Surface Immersed in
Analysis of
Simulation of Rarefied Gas Transport and Profile Evolution in
Characterization of
phous Silicon "Slit Nano Wire"
Effects of SiH4, GeH4, and B2H6 on the
ed by Pyrolysis of Si2H6 and PH3
ermal Chemical Vapor Deposition Reactor Growth Kinetics, Silicon
ngsten by the Hydrogen Reduction of Tungsten Hexafluoride
Si Substrate Surface after Different Chemical Pretreatments by Means of
Si Deposition from Chlorosilanes. II.
erfections on Metal Oxide Semiconductor Capacitors
tential for Galvanostatic Discharge of Hydride Electrodes. II. Quantitative
Behavior of Nitrogen-Substituted Carbon

Nickel Hydroxide Electrode 3 713
Nickel Hydroxide Structures Using the Scanning Electrochemical Microsco 4 995
Nickel Hydroxide Thin Films Prepared by Anodic Deposition 12 3439
Nickel Impurities Zinc Electrowinning in Acidic S 1 131
Nickel in Molten Carbonate 11 3040
Nickel in Some of Its Oxycompounds 6 L69
Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics and Scale Morpholo 7 1905
Nickel Oxide Thin-Film Electrodes 4 889
Nickel Oxide, Tungsten Oxide, and Gel Electrolytes 4 1025
Nickel Oxide Secondary Batteries 7 1740
Nickel Pattern Electrodes on YSZ and Their Electrochemical Properties in 8 2129
Nickel Phosphorus Films by Electrolysis 9 2386
Nickel Plating on Aluminum Substrate for Microbump Formation 7 1791
Nickel Powder The Electrocatalytic Hydrogenation of Glucose 10 2729
Nickel Powder Flow-Through Reactor Model 10 2742
Nickel-Based Contact Materials 7 1977
Nickel-Hydride Battery 9 2306
Nickel-Hydrogen Battery 2 333
Nickel-Molybdenum, Nickel-Tungsten, Cobalt-Molybdenum, and Cobalt-T 2 382
Nickel-Phosphorus Coatings 1 294
Nickel-Tungsten, Cobalt-Molybdenum, and Cobalt-Tungsten as Hydrogen 2 382
NiO(Li), LiFeO2, and LiCoO2 Porous Cathodes for Molten Carbonate Fuel 12 3429
Niobium from Alkali Fluoride Melts 5 1212
Niobium in Fused NaCl-KCl 12 3306
Niobium Oxide Thin Films Prepared by the Sol-Gel Process 9 2439
Niobium Oxide Thin Films Prepared by Chemical Vapor Deposition 10 2868
NiOOH/H2 Cell 1 54
NiP/Sn Multilayers Electrochemical D 2 397
Nitrate 9 2343
Nitrate Melt 2 388
Nitrate Melt Elec 2 392
Nitridation Physical and Electrical Characteristics of Thin Silicon Ni 4 1066
Nitride Chemical Vapor Deposition Using Nitrogen, Hydrogen, and Titaniu 3 787
Nitride Compounds by the Alternating Cyclic Method 4 1086
Nitride Deposited by Electron Cyclotron Resonance Plasmas Kineti 11 3234
Nitride Dielectric Films Deposited on Smooth and Rugged Polycrystalline 4 1066
Nitride Films Prepared by Hydrogen Radical-Assisted Plasma Chemical V 3 742
Nitride Films Pl 6 1633
Nitride Films Effect of Hydrog 7 1938
Nitride Films 12 3456
Nitride in Plasma Arc 2 L16
Nitride, Li7MnN4 Li Deintercalation 11 2966
Nitride Semiconductors for UV/Blue Light Emitting Devices 8 2286
Nitride Thin Films 9 2483
Nitride Wafers in Aqueous Solutions and their Impact on Particulate Depo 9 2465
Nitrogen Use of Atmospheric Pressure Ioniz 9 2478
Nitrogen Content 1 L8
Nitrogen, Hydrogen, and Titanium Tetrachloride 3 787
Nitrogen Ions 2 582
Nitrogen Oxides 8 2207
Nitrogen-Substituted Carbon (NzC1-z) in Li/Li(NzC1-z)6 Cells 4 900
Noise Analysis Evaluation of Coating Degrad 9 2332
Noise Data Calculation of N 11 L155
Noise Resistance from Simultaneous Electrochemical Voltage and Current 11 L155
Nonactive Metal Electrodes at Low Potentials in Propylene Carbonate Sol 7 1806
Nonagitated Secco Etching C 11 3273
Nonaqueous Electrolyte 9 L106
Nonaqueous Solution 5 1157
Nonaqueous Solvents X-Ray Photoelectron Spectroscopy Analysis 9 2379
Nonexponential Transient Response Due to a Constant-Phase Element 12 3423
Nonplanar Substrate Chemical Vapor Deposition 9 2545
Nonstoichiometric Nickel Oxide Thin-Film Electrodes 4 889
Nucleation and Crystallization Characteristics of Phosphorus-Doped Amor 5 1392
Nucleation and Deposition of Polycrystalline Si1-xGex Films 9 2559
Nucleation of In Situ Phosphorus-Doped Amorphous Silicon Films Deposit 5 1365
Nucleation on Silicon Dioxide, and Selective Epitaxy Using Disilane and H 11 3289
Nucleation on SiO2 during the Selective Chemical Vapor Deposition of Tu 12 3532
Nulling Ellipsometry Examination of 2 554
Numerical Analysis of Thermofluid Effects on Deposition 8 2078
Numerical Calculations of the Electrical Effects Induced by Structural Imp 6 1621
Numerical Calculations Hydrogen Surface Concentration and Overp 8 2113
(NzC1-z) in Li/Li(NzC1-z)6 Cells 4 900

— O —

d on Featured Surfaces of VLSI Substrates by Thermal CVD of TEOS and
hing of (111) Beta-SiC Epitaxial Layers on (111) TiC Substrates in CF4 +
The Influence of Methanol on
port Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He,
port Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He,
ss Transport Phenomena in Proton Exchange Membrane Fuel Cells Using
ss Transport Phenomena in Proton Exchange Membrane Fuel Cells Using
mena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and
mena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and
High Temperature
ochemical Properties of Organic Liquid Electrolytes Based on Quaternary
anism of Oxide (SiO2-xFx) by Liquid Phase Deposition with H2O Addition
Liquid Interfaces
Effect of Mercury-Silver Alloy Composition on the
High Performance Catalyzed-Reaction Layer for Medium Temperature
n Precipitates in CZ-Grown Si Wafers with a Phase Differential Scanning
Mn2+ Concentration Effect on the
cimetry Nanoscale Dimensional Changes and
tion for the Determination of the Crystallographic Orientation of GaSb by
Thermal Component of the
Simulation and
Advanced ULSI. Introducing a New Concept of Surface Gettering
Lithium-Polymer Electrolyte/V2O5 Structures
A Czochralski Silicon Growth Technique Which Reduces Carbon to the
Ionic Conductivity in

O2 Microdefects in Oxide Films Deposite 11 3154
O2 + Ar Reactive Ion Etc 10 2915
O2 Electroreduction at a Rotating Pt Disk Electrode in Acid Electrolyte 7 1770
O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis Mass Trans 8 2084
O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis Mass Trans 8 2089
O2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis Ma 8 2084
O2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis Ma 8 2089
O2/N2 Mixtures. I. Experimental Analysis Mass Transport Pheno 8 2084
O2/N2 Mixtures. II. Theoretical Analysis Mass Transport Pheno 8 2089
Offset Trench Isolation 8 2178
Ohmic Contact Metallizations for n-Type 3C-SiC 2 579
On-Line Inference of Plasma Etch Uniformity Using In Situ Ellipsometry 5 1387
Onium Salts for Electrical Double-Layer Capacitors Electr 11 2989
Only The Physicochemical Properties and Growth Mech 11 3177
Open-Circuit Photovoltage and Charge Recombination at Semiconductor/ 5 1231
Open-Circuit Voltage of Cadmium/Mercuric Oxide Cells 10 2587
Operating Solid Oxide Fuel Cells 2 342
Optical Microscope Observation of Oxyge 9 L120
Optical Properties of Zn2SiO4:Mn Phosphors 2 524
Optical Properties of Polyaniline Measured by In Situ Spectroscopic Ellips 4 859
Optical Reflectograms Chemical Etching Solu 8 2220
Optical Response of Thin-Film High-Tc Superconductors 3 810
Optimization of Composition and Structure of Metal-Hydride Electrodes 7 1747
Optimization of the Dual Lithium Ion Insertion Cell 1 1
Optimization of Ultrathin Gate Oxide in a SILO/RTN Isolation Process for 10 2811
Optimization Study of Solid-State Electrochromic Devices Based on WO3/ 10 2795
Order of 10^14 per Cubic Centimeter 8 2216
Ordered and Disordered Phases of Plastic Crystals 7 1921

Activity and Stability of
n Polycrystalline Platinum Electrodes The Effects of
drogen Evolution Reaction at Raney Nickel Electrodes in the Presence of
arge/Discharge Characteristics of Carbon Fiber with Graphite Structure in
mical Behavior of Polyaniline-Poly(styrene sulfonate) Composite Films in
r Mediators Application of the Solid Polymer Electrolyte Method to
arative Study of the Electrochemical Properties of Dip-Coated, Spun and
al Double-Layer Capacitors Electrochemical Properties of
The Effects of Water on the Passive Behavior of 1018 Carbon Steel in
Anodic Activation of Sulfur in
Effect of Pt/Al2O3 Catalyst on GaAs Grown by Low Pressure TEAs-TMGa
MOCVD Growth Studied by FTIR Spectroscopy. Criteria for the Design of
Chemical Etching Solution for the Determination of the Crystallographic
tion (100)
High-Resolution Images of Pd Particles Supported on Highly
AC Impedance Studies of Highly
g Characterization of Crystal
An Investigation of Spinel-Related and
d Lithium Polymer Batteries
miting Current Density on a Line Electrode in the Presence of Tangential,
opment of the Model Hydrogen Surface Concentration and
tative Numerical Calculations Hydrogen Surface Concentration and
An Isoplanar Isolation Technology for SiC Devices Using Local
Dimensional Model of the Evolution of Dislocation Loops in Silicon during
The Profile of Electrically Active Phosphorus in Silicon after Thermal
Electrochromic
n High-Temperature Oxidation of Pure Nickel, Iron, Cobalt and Copper. I.
Formation of a Bilayer by Electrochemical
de in Acetonitrile Electrochemical
ure
Fast Impedance Analysis of a Surface Microstructure during Anodic
Gate Oxide Degradation Caused by Anomalous
um Electrocatalytic
Anodic
Rotating Ring-Disk Electrode and Spectroelectrochemical Studies on the
Mathematical Model of the Anodic
Electrochemical
Anodic
ial Region Study of the
The Role of Reactive Elements on Scale Growth in High-Temperature
ic Solutions Electrocatalysis of Anodic Oxygen-Transfer Reactions.
Thermal
The Electrochemical
Anodic
on the Electrical Characteristics of Thin Oxides Grown by Rapid Thermal
Effects of Toluene and Benzoic Acid on the Kinetics of Ferrous
pid Thermal Oxidation of Si in N2O Effects of Oxide Thickness and
X-Ray Absorption Fine Structure Spectra and the
d Layers in Silicon
is Reduction in Copper-Electroplating on Transparent Semiconductor Tin
er Electrolyte with Modified Carbonate as a Plasticizer for Poly(ethylene
A Simple Method to Control Bipolar Polysilicon Emitter Interfacial
Low-Temperature Wafer Bonding of Surfaces Using a Reactive Sputtered
The Physicochemical Properties and Growth Mechanism of
Laminated Electrochromic Windows Based on Nickel Oxide, Tungsten
Eliminating the Surface Inversion Layer under the Field
The Initial Growth Mechanism of Silicon
Ultrathin Tantalum
A 3 Volt Lithium Manganese
A 4 V Lithium Manganese
The Exchange Current Density of
ilver Alloy Composition on the Open-Circuit Voltage of Cadmium/Mercuric
MoSi2 on Polycrystalline Silicon Gate
Effects of Deposition and Ion Scattering on Profile Control in Submicron
In Situ Multielement XANES Study of Formation and Reduction of the
X-Ray Absorption Study of Electrochemically Grown
Solution Atomically Resolved STM of
Growth Rate and Characterization of Silicon
ectroscopic Ellipsometry and Atomic Force Microscopy of Polyphenylene
Anodic
The Use of Anodic
imizing Interface States in the Silicon/Silicon-Oxide System of an Anodic
al CVD of TEOS and O2 Microdefects in
Hydrous
Electrodeposition of Copper
Fluorine-Enhanced Boron Migration into
ance Catalyzed-Reaction Layer for Medium Temperature Operating Solid
High Performance Solid
Physical Properties of Mixed Conductor Solid
Low Temperature Operation of Solid
New Concept of Surface Gettering Optimization of Ultrathin Gate
res Improvement of the Gate

Characterization and Elimination of Defects in
Deep and Shallow Electron Trapping in the Buried
Tunneling Microscopy Studies of the Formation and Reduction of a Gold
The Influence of
tallinity during the Electrodeposition of Body-Centered Cubic Thallium(III)
Morphology of Ultrafine RuO2-IrO2 Binary
Preparation of Ultrafine RuO2-SnO2 Binary
Tungsten/Tungsten
Morphology Change of
Cracking and Spalling of
A Novel Active Material for the Negative Electrode in Alkaline Nickel
Fast Electrochromic Switching with Nanocrystalline
ons of the Electrical Effects Induced by Structural Imperfections on Metal
igh Temperature Anneal on Electrical Stress-Generated Defects in Metal
f Generation Lifetime in Trap-Rich and Layered Semiconductors by Metal
Oxides Grown by Rapid Thermal Oxidation of Si in N2O Effects of
Insight into Gate
Characterization of Nonstoichiometric Nickel
Electrochromism of Niobium

Ordered and Disordered Co-Pt Alloys for Phosphoric Acid Fuel Cells 10 2659
Organic Adsorbates on the Underpotential and Bulk Deposition of Silver o 12 3394
Organic Compounds Study of the Mechanism of the Hy 4 975
Organic Electrolytes Containing Lithium Trifluoromethylsulfate and Lithiu 5 1105
Organic Electrolyte Solutions Electroche 6 1469
Organic Electrochemistry. XVII. Indirect Electrochemical Debromination U 10 2579
Organic Langmuir-Blodgett Films of Polyaniline A Comp 6 1573
Organic Liquid Electrolytes Based on Quaternary Onium Salts for Electric 11 2989
Organic Solutions 4 934
Organic Solvents 2 316
Organometallic Vapor-Phase Epitaxy 9 2573
Organophosphine Precursors Decomposition of Cyanoethylphosphi 7 1886
Orientation of GaSb by Optical Reflectograms 8 2220
Oriented Poly-Si Film Grown by Ultrahigh Vacuum Chemical Vapor Deposi 10 2848
Oriented Pyrolytic Graphite and Glassy Carbon 9 2511
Oriented Pyrolytic Graphite in 1 M NaOH Solution 10 2716
Originated Defects in Czochralski Silicon Using Nonagitated Secco Etchin 11 3273
Orthorhombic LiMnO2 Cathodes for Rechargeable Lithium Batteries 5 1178
Orthorhombic NaxMnO2 as a Cathode Material for Secondary Sodium an 11 L145
Oscillating Fluid Flow Li 10 2753
Overpotential for Galvanostatic Discharge of Hydride Electrodes. I. Devel 8 2108
Overpotential for Galvanostatic Discharge of Hydride Electrodes. II. Quan 8 2113
Oxidation 8 2188
Oxidation A Point Defect Based Two- 3 759
Oxidation 12 3580
Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine Thin Films 1 64
Oxidation Kinetics and Scale Morphology The Role of Reactive Ele 7 1905
Oxidation of 1,3-Dimethoxybenzene 5 1109
Oxidation of 4,5-Dihydro-1,2,4-triazin-6-one Derivatives at Carbon Electro 9 2283
Oxidation of 6H-SiC as a Function of Doping Concentration and Temperat 8 2262
Oxidation of a Copper/Gold Alloy 12 3416
Oxidation of BF2 Ion Implanted MoSi2 on Polycrystalline Silicon 9 2552
Oxidation of Glycerol. I. Behavior of Palladium Electrode in Alkaline Medi 3 725
Oxidation of InxGa1-xAsyP1-y Epitaxial Layers 8 L97
Oxidation of Iron in Alkaline Solutions 3 718
Oxidation of In-48Sn 10 2784
Oxidation of Lead 9 2416
Oxidation of Manganese(II) in HClO4 Solutions 9 2422
Oxidation of Methanol on Pt/WO3 in Acidic Media 11 3062
Oxidation of n-InP with Low Carrier Concentrations in the Negative Potent 5 1161
Oxidation of Pure Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics a 7 1905
Oxidation of Phenol and Benzene at Bismuth-Doped Lead Dioxide Electro 12 3404
Oxidation of SiC in N2O 11 L150
Oxidation of Silicon and Formation of Porous Silicon in Acetonitrile 4 1006
Oxidation of Sulfide Ions in Molten Lithium Fluoride 10 2642
Oxidation of Si in N2O Effects of Oxide Thickness and Oxidation P 11 3222
Oxidation on Pt and Nafion-Coated Pt Electrodes 8 1483
Oxidation Parameters on the Electrical Characteristics of Thin Oxides Gro 11 3222
Oxidation State of Nickel in Some of Its Oxycompounds 6 L69
Oxidation-Enhanced Diffusion of Boron and Phosphorus in Heavily Dope 4 1074
Oxide The Role of an Electrolys 4 L36
oxide) Ionic Conductivity of a Polym 4 886
Oxide 11 3167
Oxide 8 2157
Oxide (SiO2-xFx) by Liquid Phase Deposition with H2O Addition Only 11 3177
Oxide, and Gel Electrolytes 4 1025
Oxide by Low Pressure Rapid Thermal Annealing 9 2498
Oxide by Liquid-Phase Deposition 11 3214
Oxide Capacitor Process Using Oxygen-Plasma Annealing 5 1246
Oxide Cathode for Rechargeable Lithium Batteries 7 L76
Oxide Cathode for Rocking-Chair Lithium-Ion Cells 9 L106
Oxide Cathodes in Molten Carbonates 7 1725
Oxide Cells Effect of Mercury-S 10 2587
Oxide Degradation Caused by Anomalous Oxidation of BF2 Ion Implanted 9 2552
Oxide Etch 10 2904
Oxide Film on Stainless Steel 1 L6
Oxide Films on AlCr Sputtered Alloys. II. In Situ Studies 1 83
Oxide Film Structures on Fe-Cr Alloys during Passivation in Sulfuric Acid 12 L164
Oxide Films Grown in N2O Atmosphere in a Rapid Thermal Processor 1 259
Oxide Films Sp 1 306
Oxide Films as a Gate Dielectric for a Thin Film Transistor 5 1325
Oxide Films to Control the Diffusion of Zinc in GaAs 6 1639
Oxide Film Modified Constant-Current Anodization. A Promising Me 8 2227
Oxide Films Deposited on Featured Surfaces of VLSI Substrates by Therm 11 3154
Oxide Formation on Platinum in Phosphoric Acid Solution 9 2361
Oxide from the Eutectic Sodium-Potassium Nitrate Melt 2 388
Oxide from Underlying Silicon 5 1381
Oxide Fuel Cells High Perform 2 342
Oxide Fuel Cell Cathode Fabricated by Electrochemical Vapor Deposition 7 1928
Oxide Fuel Cell Anodes of Doped CeO2 8 2122
Oxide Fuel Cell with a ZrO2-Sc2O3-Al2O3 System Electrolyte 12 3450
Oxide in a SILO/RTN Isolation Process for Advanced ULSI. Introducing a 10 2811
Oxide Integrity by Modifying Crystal Pulling and Its Impact on Device Failu 5 1398
Oxide Ionic Conductivity of Doped NdAlO3 Perovskite-Type Oxides 12 3444
Oxide Layers Grown on Czochralski Silicon Substrates 9 2460
Oxide Layer of SIMOX Structures 10 2801
Oxide Monolayer on Au(111) In Situ Scanning 5 1291
Oxide on the Electrodeposition of Niobium from Alkali Fluoride Melts 5 1212
Oxide onto Glassy Carbon Evolution of Crys 9 2391
Oxide Particles Prepared by a Sol-Gel Process 9 L118
Oxide Particles by a Sol-Gel Process 5 1243
Oxide pH Sensing Electrode for High Temperature Aqueous Environments 11 3002
Oxide Precipitates in CZ Silicon during Two-Step Annealing 12 3588
Oxide Scale from 304 Stainless Steel at High Temperatures 5 1255
Oxide Secondary Batteries 7 1740
Oxide Semiconductor Films 7 L82
Oxide Semiconductor Capacitors Numerical Calculati 6 1621
Oxide Semiconductor Structures The Effect of H 8 2140
Oxide Semiconductor Measurements Determination o 8 2151
Oxide Thickness and Oxidation Parameters on the Electrical Characteristi 11 3222
Oxide Thinning 3 750
Oxide Thin-Film Electrodes 4 889
Oxide Thin Films Prepared by the Sol-Gel Process 9 2439

Electrochromic Properties of Niobium
Laminated Electrochromic Windows Based on Nickel
Positive Charge Induced by Inorganic Spin-On-Glass. Influence of Silicon
Grain-Size Effects in Tungsten
Voltammetric Investigation of Hydrogen Sorption/Desorption at/within
ng Polymer Electrolyte Tungsten
ependence of Photovoltages of Spray-Deposited Indium Tin Oxide/Silicon
Dependence of Photovoltages of Spray-Deposited Indium Tin
Thermal Incorporation of External Oxygen into EMD-Derived Manganese
Grain-Size Effects in Tungsten Oxide-Based Sensor for Nitrogen
Oxide Ionic Conductivity of Doped NdAlO3 Perovskite-Type
ouble-Solid Electrochemical Cell for Controlling Oxygen Concentration in
A New Potential-Type Humidity Sensor Using EMD-Based Manganese
Cathodic Reduction of
Electrical Properties of Thin Anodic
Electrodeposition of Mixed Metal
kness and Oxidation Parameters on the Electrical Characteristics of Thin
Mixing Effect of Metal
Electrical Conduction Through Anodic
in Acetonitrile Composite Electrodes Consisting of Metal and
rochemical Behavior of n-Type CdTe in the Presence of a Monoelectronic
Electrochemical Study of Tantalum in Fluoride and
n Fine Structure Spectra and the Oxidation State of Nickel in Some of Its
Accurate Evaluation Techniques of the Interstitial
Double-Solid Electrochemical Cell for Controlling
Global Model of Plasma Chemistry in a High Density
Effects of Low Dose Silicon, Carbon, and
n Growth of Epitaxial Silicon Films
Thermal Incorporation of External
endence of the Kinetics of Electrochemical Vapor Deposition of CeO2 on
nning Optical Microscope Observation of
Concept Improving Axial
Warpage and
Exchange Membrane
The Role of
dia Microstructural Effects on Electrocatalytic
Application of the Flooded-Agglomerate Model to Study
Polymer-Electrolyte Fuel Cells Improved Electrocatalytic
Reactions in Molten Carbonate Media. V. Electrochemical Analysis of the
ns I. Deposition Process and Deposit Structure Effects of
Interface Studied by Impedance Spectroscopy
Cells Limiting Current of
cid Impurities in Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the
Development of an Electrochemical
Synthesis Conditions and
Ultrathin Tantalum Oxide Capacitor Process Using
Electrocatalysis of Anodic
d Dioxide Electrodes in Acidic Solutions Electrocatalysis of Anodic
tion An
Uniformity of the N2O Furnace
Electrocatalysis of Anodic Oxygen-Transfer Reactions. Evolution of
emical Reactor Simultaneous Synthesis of
Modeling of CVD of Silicon Dioxide Using TEOS and
re (<900 C) RTA on the Conductivity of As-Implanted Layers and Metal to
Thermal Stability of Cu/CoSi2 Contacted
acitance and Current-Voltage Data Solar Energy Conversion at the
ce In Situ FTIR-ATR Study of
nd Lifetime Measurements Rapid Thermal Annealing of
Defects Induced in
Characterization of the Electropolishing Layer during Anodic Etching of
h Electrodes. V. Electrowinning of Zinc from Flowing Alkaline Zincates at
m Room Temperature Molten Salts Electrodeposition of
Salts Electrodeposition of Palladium and Adsorption of
Electrocatalytic Oxidation of Glycerol. I. Behavior of
f CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Type Plasma Display
ce of the Stress Chemical Vapor Deposited Tungsten Films on Deposition
terface: Temperature and Concentration Dependence of Physicochemical
y Photoelectrochemical Etching. I. Correlations with Material and Etching
in-5-ones Effect of Temperature and Evaluation of Thermodynamic
al Oxidation of Si in N2O Effects of Oxide Thickness and Oxidation
of the Kinetics of Electrochemical Vapor Deposition of CeO2 on Oxygen
roduction of Conducting Polymers
Measurement of
Neutral
The Synthesis and
emical Processing Mechanism of Metallic
ar Cells Equipped with an n-Si Electrode Modified with Colloidal Platinum
ells Preparation of a Langmuir-Blodgett Layer of Ultrafine Platinum
ric Corrosion of Copper in the Presence of Submicron Ammonium Sulfate
Preparation of Ultrafine RuO2-SnO2 Binary Oxide
Composite Electrodes Consisting of Metal and Oxidized Carbon
ure Study on Structure Transformation and Electronic State of Various Pt
ples Effects of Electrogenerated Silver
Morphology of Ultrafine RuO2-IrO2 Binary Oxide
tron High-Resolution Images of Pd
haracteristics of Nitride Wafers in Aqueous Solutions and their Impact on
Electrical Conduction Through Anodic Oxides on Sulfur
Large Area Photocurrent Behavior and Laser Spot Scanning of
g Process Improved Phosphosilicate Glass
Atomically Resolved STM of Oxide Film Structures on Fe-Cr Alloys during
Evolution of Microscopic Surface Topography during
ultiple Internal Reflection Infrared Spectroscopy Hydrogen
The Effect of Sulfur on the
Initial Events during the
ted Thin Films Aging Effects and
Intrinsic and
The Effects of Water on the
Composition, Chemical States, and Resistance to Localized Corrosion of
Oxide Thin Films Prepared by Chemical Vapor Deposition 10 2858
Oxide, Tungsten Oxide, and Gel Electrolytes 4 1025
Oxide with High Yield of Water Absorption 6 1628
Oxide-Based Sensor for Nitrogen Oxides 8 2207
Oxide-Derived Pd Electrodes in NaOH and H2SO4 11 2996
Oxide-Prussian Blue Electrochromic System Based on a Proton-Conducti 8 2061
Oxide/Silicon Junction Solar Cells on Spray Solvents D 5 1357
Oxide/Silicon Oxide/Silicon Junction Solar Cells on Spray Solvents 5 1357
Oxides 12 3343
Oxides 8 2207
Oxides 12 3444
Oxides D 6 1533
Oxides as a Solid Electrolyte 4 L35
Oxides Formed on Copper at Elevated Temperatures 4 940
Oxides Formed on Silicon in Aqueous NH4OH Solutions 5 1309
Oxides from the Eutectic Sodium-Potassium Nitrate Melt 2 392
Oxides Grown by Rapid Thermal Oxidation of Si in N2O Effects of 11 3222
Oxides on Negative Electrode Reactions in the Nickel-Hydride Battery 9 2306
Oxides on Sulfur Passivated InP 1 299
Oxidized Carbon Particles for Complete Degradation of Trichloroethylene 6 1522
Oxidizing Agent (Ce4+) Elect 9 2409
Oxofluoride Melts 11 2982
Oxycompounds X-Ray Absorptio 6 L69
Oxygen Concentrations in Medium-Resistivity Si Crystals 5 1362
Oxygen Concentration in Oxides 6 1533
Oxygen Discharge 6 1546
Oxygen Implantation Damage on Diffusion of Phosphorus in Silicon 12 3516
Oxygen Incorporation during Low Temperature Chemical Vapor Depositio 5 1284
Oxygen into EMD-Derived Manganese Oxides 12 3343
Oxygen Partial Pressure Dep 5 1261
Oxygen Precipitates in CZ-Grown Si Wafers with a Phase Differential Sca 9 L120
Oxygen Precipitation Uniformity in CZ Silicon Crystals Using the S-Curve 1 173
Oxygen Precipitate Distributions in CZ Silicon Wafers 7 1856
Oxygen Recombination in Sealed Ni-Cd Cells with Fiber Substrates 10 2614
Oxygen Reduction on Ruthenium-Oxide Pyrochlore Produced in a Proton- 4 L51
Oxygen Reduction in Electrical Stimulation of Neural Tissue 1 122
Oxygen Reduction Activity of Nano-Grained Thin-Film Platinum in Acid Me 2 425
Oxygen Reduction on Thin Porous Coating Rotating Disk Electrode 2 431
Oxygen Reduction Performance of Platinum Ternary Alloy-Oxide in Solid- 4 968
Oxygen Reduction Mechanism at a Fully Immersed Gold Electrode 5 1191
Oxygen Reduction on Nickel Deposition from Unbuffered Aqueous Solutio 8 2030
Oxygen Reduction at La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia 8 2118
Oxygen Reduction on Gas-Diffusion Electrodes for Phosphoric Acid Fuel 11 3114
Oxygen Reduction Reaction at Platinum Electrodes Phosphorous A 12 3332
Oxygen Sensor for Czochralski Silicon Melts 9 2564
Oxygen Stoichiometry Effects on Li Insertion into the Spinel LiMn2O4 6 1421
Oxygen-Plasma Annealing 5 1246
Oxygen-Transfer Reactions. Evolution of Ozone 10 2708
Oxygen-Transfer Reactions. Oxidation of Phenol and Benzene at Bismuth 12 3404
Oxynitride ISFET Modified for Working in a Differential Mode for pH Detec 2 535
Oxynitride Process for the Formation of Thin Tunnel Dielectrics 12 3500
Ozone 10 2708
Ozone and Hydrogen Peroxide in a Proton-Exchange-Membrane Electroch 5 1174
Ozone in a Single-Wafer Reactor 12 3462

— P —

P+ Contact Resistance Effect of Low Temperatu 8 2223
p+n Shallow Junction with and without TiW Diffusion Barrier 10 2804
p-InP/Vanadium3+/2+ Semiconductor/Electrolyte Contact. A Study Based 8 2040
p-Silicon Photoelectrode/Potassium Ferri-Ferrocyanide Electrolyte Interfa 12 3389
p-Type Silicon. Correlation Between Deep-Level Transient Spectroscopy a 3 754
p-Type Silicon by Photocathodic Charging of Hydrogen 6 1539
p-Type Silicon in Aqueous HF Solutions 8 2049
Packed-Bed Electrodes Applications of Porous Flow-Throug 2 441
Palladium and Adsorption of Palladium Chloride onto Solid Electrodes fro 4 1000
Palladium Chloride onto Solid Electrodes from Room Temperature Molten 4 1000
Palladium Electrode in Alkaline Medium 3 725
Panels Effect of Calcium Content on the Discharge Characteristics 4 880
Parameters The Dependen 3 843
Parameters Microelectrode Study of the Lithium/Propylene Carbona 11 3053
Parameters Morphology of Porous n-Type Silicon Obtained b 4 958
Parameters for the Polarographic Behavior of 3-Methyl-4-(2'-substituted b 5 1114
Parameters on the Electrical Characteristics of Thin Oxides Grown by Rap 11 3222
Partial Pressure Dependence 5 1261
Partially Immersed Cylindrical Horizontally Revolving Electrodes for the P 1 147
Particle Deposition on Silicon Wafers during Wet Cleaning Processes 6 1684
Particle Emissions from Clean Room Gas-Handling Components 6 1649
Particle Flux Calculations in Plasma Etching for Cylindrical Trench Holes 9 2453
Particle Growth Mechanism of Bright Green Phosphor YAG:Tb 5 1252
Particle Growth and Metal-Induced Pitting on Si Wafer Surface in Wet Ch 10 2834
Particles Efficient Photoelectrochemical Sol 11 3090
Particles and Its Application to n-Si for Efficient Photoelectrochemical Sol 11 3077
Particles at 300 and 373 K Mechanism of Atmosphe 11 2935
Particles by a Sol-Gel Process 5 1243
Particles for Complete Degradation of Trichloroethylene in Acetonitrile 6 1522
Particles on Carbon Electrode In Situ X-Ray Absorption on Fine Str 9 2516
Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen Com 11 3049
Particles Prepared by a Sol-Gel Process 9 L118
Particles Supported on Highly Oriented Pyrolytic Graphite and Glassy Car 9 2511
Particulate Deposition Electrokinetic C 9 2465
Passivated InP 1 299
Passivated Stainless Steels 2 382
Passivation Against Cu Contamination Using the Rapid Thermal Annealin 3 734
Passivation in Sulfuric Acid Solution 12 L164
Passivation of Aluminum 6 1446
Passivation of HF-Last Cleaned (100) Silicon Surfaces Investigated by M 11 3128
Passivation of Iron in Calcium Nitrate 9 2343
Passivation of Rapidly Dissolving Aluminum Surfaces 6 1453
Passivation Studies on Undoped and Ag-Doped YBa2Cu3O7-x Laser Abla 6 1611
Passivation-Induced Trench Tapering during Plasma Etching 7 1984
Passive Behavior of 1018 Carbon Steel in Organic Solutions 4 934
Passive Films on an Fe-17%Cr Alloy Chemical 1 111

A Microellipsometric Study of the
in Breakdown A Microellipsometric Study of the
Resistance to Pitting and Chemical Composition of
XPS and STM Investigation of the
Chemical Composition of
rature Aqueous Chloride Solutions Electrochemistry and
Prevention of Resist
O Atmospheres Preparation of Nickel
Anisotropic Chemical
Copper Structures
ed Diamond Films
In Situ Remote H-Plasma Cleaning of
evices The Effect of the Crystal Grown-in Defects on the
Water Absorption of the Polymer Electrolyte Systems
ucture and the Degree of Hydration of the Anodic PbO2 Layer Formed on
mical Quartz Crystal Microbalance to a Study of the Anodic Deposition of
Studies on Deposition and Dissolution Processes of
e of Antimony on the Structure and the Degree of Hydration of the Anodic
Metal Atoms during Air Annealing of Chemically Deposited ZnS-CuS and
ctroless Metal Deposition Covalent Binding of
ric Investigation of Hydrogen Sorption/Desorption at/within Oxide-Derived
Carbon High-Resolution Images of
The Reaction of Extremely Thin Co-Zr and
ctrostatic Effects Surface Related Phenomena in Integrated
The Single-Electrode
Magnetic Field Effects in High-Power Batteries. I. The
Thermal Stability of the Polymer Electrolyte
Studies on Deposition and Dissolution Processes of PbO2 in
Preparation of Thin
Electrotransportation of Aniline Through a
AC Impedance and Conductivity Study of Alkali Salt Form
Water Uptake of
The Effect of Aluminum Thickness on Solar Cell
g Solid Oxide Fuel Cells High
el Reactor Design Configuration for Contamination Control and Improved
Theoretical Analysis of the Discharge
Batteries The Correlation Between the Surface Chemistry and the
FC) Synthesis and
Fuel Cells Improved Electrocatalytic Oxygen Reduction
Kel-F Composite Electrodes Improved
l Vapor Deposition High
yte Electrochromic
mbrane Reactor Electrochemical Hydrogen
es Fluctuations of
Lithium Ion Conductivity of A-Site Deficient
Electronic Conductivity in the La(Cr,Ni)O3
Oxide Ionic Conductivity of Doped NdAlO3
A Novel Aqueous Dual-Channel Aluminum-Hydrogen
s The Applications of Citric Acid/Hydrogen
Simultaneous Synthesis of Ozone and Hydrogen
amics of Spin-Coated MoO3.nH2O Electrochromic Films Fabricated from
ons The
lectrochromic Performances of Polyaniline Films during Their Cycling in a
s The Effect of Solution
An Oxynitride ISFET Modified for Working in a Differential Mode for
The Effect of
Alkaline-Pretreated Aluminum Electrodes as
Tungsten/Tungsten Oxide
rus-Doped Amorphous Silicon Films Deposited by Pyrolysis of Si2H6 and
hemical Properties and Growth Mechanism of Oxide (SiO2-xFx) by Liquid
Observation of Oxygen Precipitates in CZ-Grown Si Wafers with a
Phosphorus Direct Doping from Vapor
The C49 to C54
Si(100) System Interdiffusion,
. Indirect Electrochemical Debromination Using Viologens as Microscopic
Ionic Conductivity in Ordered and Disordered
Electrocatalysis of Anodic Oxygen-Transfer Reactions. Oxidation of
b-Half Micron Gap Fill. Electrostatic Effects Surface Related
Relaxation
r, and O2/N2 Mixtures. I. Experimental Analysis Mass Transport
r, and O2/N2 Mixtures. II. Theoretical Analysis Mass Transport
In Situ Monitoring of
Protonic Conduction
Thin-Oxide Dielectric Strength Improvement by Adding a
ting the Conductivity of Copper-Coated Direct Current Electroluminescent
ence of Impurities on the Luminescence Quantum Efficiency of the Lamp
Growth of ZnGa2O4
tion Display
The Synthesis and Particle Growth Mechanism of Bright Green
2% Platinum-H2WO4 Based Electrocatalysts for
Evaluation of an Effective Platinum Metal Surface Area in a
Hydrous Oxide Formation on Platinum in
Activity and Stability of Ordered and Disordered Co-Pt Alloys for
Limiting Current of Oxygen Reduction on Gas-Diffusion Electrodes for
Formation Phosphorous Acid Impurities in
on Reaction at Platinum Electrodes Phosphorous Acid Impurities in
Voltammetric Study of Impurity Formation
Effects on the Oxygen Reduction Reaction at Platinum Electrodes
ted Luminescence and Structural Characterization of Ba5(PO4)3Cl:Eu2+
Mn2+ Concentration Effect on the Optical Properties of Zn2SiO4:Mn
tions
Control of Magnetic Properties of Chemically Deposited Cobalt Nickel
Oxidation-Enhanced Diffusion of Boron and
Dose Silicon, Carbon, and Oxygen Implantation Damage on Diffusion of
The Profile of Electrically Active
and at a Low Implant Energy An Investigation of
2H6 and PH3 Nucleation of In Situ
Nucleation and Crystallization Characteristics of
Rapid Thermal Annealing Process Improved
Light Emission from Porous Silicon under
ally Amplified Resists Using 1,2-Naphthoquinone Diazide-4-Sulfonates as
CuInS2 with Lamellar Morphology. I. Efficient

Passive Film Formation on Al-Ta Alloys. I. Solid Solution Alloys 5 1126
Passive Film Formation on Al-Ta Alloys. II. The Role of Al3Ta Precipitates 5 1132
Passive Films of a Fe-17%Cr Alloy in Chloride-Containing Acid Solution 10 2669
Passive Film Formed on Cr(110) Single-Crystal Surfaces 11 3016
Passive Films on AISI 304 Stainless Steel 12 3347
Passivity Breakdown on Solid Versus Liquid Gallium 10 2645
Passivity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Tempe 10 2633
Pattern Collapse by Resist Heating during Rinsing 12 L160
Pattern Electrodes on YSZ and Their Electrochemical Properties in H2-H2 8 2129
Pattern Etching of Copper Foil. III. Mathematical Model 3 679
Pattern Geometry Effects in the Chemical-Mechanical Polishing of Inlaid 10 2842
PatterneJ Electrical Conductance and Electrode Formation in Ion-Implant 4 L41
Patterned Si-SiO2 Surfaces 11 3136
Pause Tail Characteristics of Megabit Dynamic Random Access Memory D 7 1872
Pb(CF3SO3)2PEOn and Zn(CF3SO3)2PEOn 7 1819
Pb-Sb Electrodes Influence of Antimony on the Str 9 2316
PbO2 and Bi-PbO2 Films on Gold Electrodes Application of an Elect 3 652
PbO2 in Perchloric Acid Electrolytes 8 1998
PbO2 Layer Formed on Pb-Sb Electrodes Influenc 9 2316
PbS-CuS Thin Films Interfacial Diffusion of 9 2536
Pd Catalysts to Ligating Self-Assembled Monolayer Films for Selective Ele 1 210
Pd Electrodes in NaOH and H2SO4 Voltammet 11 2986
Pd Particles Supported on Highly Oriented Pyrolytic Graphite and Glassy 9 2511
Pd-Ta Layers with Si(100) 2 519
PECVD/Ozone-TEOS SACVD Processes for Sub-Half Micron Gap Fill. Ele 8 2172
Peltier Heats of Li-Al Alloy Electrodes in LiCl-KCl Eutectic System 11 3096
Penetration of an Electric Field into a Cylindrical Conductor 3 703
(PEO)8LiCF3SO3 11 2978
Perchloric Acid Electrolytes 8 1998
Perfluorosulfonate Cation-Exchanger Films by Plasma Polymerization 9 2350
Perfluorosulfonate Ion-Exchange Membrane 7 1827
Perfluorosulfonate Ionomer Membranes 2 448
Perfluorosulfonic Acid Membranes from Liquid Water and Water Vapor 6 1493
Performance 6 1577
Performance Catalyzed-Reaction Layer for Medium Temperature Operatin 2 342
Performance in the Polysilicon Doping Process Using POCl3 A Nov 8 2257
Performance of a NiOOH/H2 Cell 1 54
Performance of Li-Carbon Intercalation Anodes for Rechargeable "Rockin 3 603
Performance of LiCoO2 Cathodes for the Molten Carbonate Fuel Cell (MC 11 2959
Performance of Platinum Ternary Alloy-Oxide in Solid-Polymer-Electrolyte 4 968
Performance of Unmodified and Cobalt Phthalocyanine-Modified Carbon- 2 323
Performance Solid Oxide Fuel Cell Cathode Fabricated by Electrochemica 7 1928
Performances of Polyaniline Films during Their Cycling in a pH 3 Electrol 10 2682
Permeation in a Proton-Hole Mixed Conductor and Its Application to a Me 7 1720
Permeation Rate Through an Iron Membrane Induced by Hydrogen Bubbl 8 2059
Perovskite Solid Solution La0.67-xLi3xTiO3 7 L78
Perovskite System 3 782
Perovskite-Type Oxides 12 3444
Peroxide Battery 6 L81
Peroxide Etching Solutions in the Processing of Pseudomorphic MODFET 4 1082
Peroxide in a Proton-Exchange-Membrane Electrochemical Reactor 5 1174
Peroxo-Polymolybdate Solution Coloration Dyn 4 876
Perspectives of Silicon-On-Insulator Technologies for Cryogenic Applicati 9 2522
pH 3 Electrolyte E 10 2682
pH and Heat-Treatment on the Properties of Electroless Nickel Boron Film 1 78
pH Detection 2 535
pH on the Localized Etching Process Induced by Laser Irradiation 4 943
pH Sensors 5 1142
pH Sensing Electrode for High Temperature Aqueous Environments 11 3002
PH3 Nucleation of In Situ Phospho 5 1365
Phase Deposition with H2O Addition Only The Physicoc 11 3177
Phase Differential Scanning Optical Microscope 9 L120
Phase into Silicon for Shallow Junctions 8 2241
Phase Transformation in TiSi2 Thin Films 5 1347
Phase Transformation, and Epitaxial CoSi2 Formation in Multilayer Co/Ti- 12 3480
Phase-Transfer Mediators Application of the Solid Polymer Electrol 10 2579
Phases of Plastic Crystals 7 1921
Phenol and Benzene at Bismuth-Doped Lead Dioxide Electrodes in Acidic 12 3404
Phenomena in Integrated PECVD/Ozone-TEOS SACVD Processes for Su 8 2172
Phenomena in Lithium-Ion-Insertion Cells 4 982
Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/A 8 2084
Phenomena in Proton Exchange Membrane Fuel Cells Using O2/He, O2/A 8 2089
Phosphatation Reactions on Zn Using the Quartz Crystal Microbalance 10 2655
Phosphate Glasses 6 L84
Phosphonic Acid Chelating Agent into NH4OH-H2O2 Solution 10 L139
Phosphor Factors Affec 9 2513
Phosphor (Ce, Gd, Tb)MgB5O10 Influ 8 2201
Phosphor by Radio Frequency Magnetron Sputtering 6 1617
Phosphor Development for Alpha-Silicon Liquid Crystal Light Valve Projec 11 3172
Phosphor YAG:Tb 5 1252
Phosphoric Acid Fuel-Cell Cathode 8 L92
Phosphoric Acid Fuel Cell 7 1804
Phosphoric Acid Solution 9 2361
Phosphoric Acid Fuel Cells 10 2659
Phosphoric Acid Fuel Cells 11 3114
Phosphoric Acid Fuel Cell Electrolytes. I. Voltammetric Study of Impurity 12 3325
Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the Oxygen Reducti 12 3332
Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. I. 12 3325
Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. II. 12 3332
Phosphors Photostimula 7 1851
Phosphors 2 524
Phosphorus Direct Doping from Vapor Phase into Silicon for Shallow Junc 8 2241
Phosphorus Films by Electrolysis 9 2386
Phosphorus in Heavily Doped Layers in Silicon 4 1074
Phosphorus in Silicon Effects of Low 12 3516
Phosphorus in Silicon after Thermal Oxidation 12 3580
Phosphorus Transient Diffusion in Silicon below the Solid Solubility Limit 8 2182
Phosphorus-Doped Amorphous Silicon Films Deposited by Pyrolysis of Si 5 1365
Phosphorus-Doped Amorphous Silicon "Slit Nano Wire" 5 1392
Phosphosilicate Glass Passivation Against Cu Contamination Using the 3 734
Photo- and Electroexcitation 11 3071
Photoacid Generators Chemic 11 3141
Photoanodes in Acidic Polyiodide Medium 5 1095

Reduction of Carbon Dioxide to Methanol Using ZnS Microcrystallite as a
Defects Induced in p-Type Silicon by
te as a Photocatalyst in the Presence of Methanol Dehydrogenase
Electrochromic Properties of Tungsten Trioxide Thin Films Prepared by
Ion Sensor with
s. Electrochemical Kinetic Studies Cycloaliphatic Epoxide-Based
Spectral Behavior of Zero-Bias
Steels Large Area
Preparation and Properties of Sb2S3 Thin Films for
CuInS2 with Lamellar Morphology. II.
Parameters Morphology of Porous n-Type Silicon Obtained by
y the Sol-Gel Method
yer of Ultrafine Platinum Particles and Its Application to n-Si for Efficient
ed with Colloidal Platinum Particles Efficient
In Situ FTIR-ATR Study of p-Silicon
n of the Lithium Surface Immersed in Nonaqueous Solvents X-Ray
Modeling of Charge Carrier Transport in
Growth Defect Observation with Pyramidal Hillock and Reduction by
Blue
Crystallinity and
with High Energy Electrons
Films and Devices Electroluminescence and
Ion-Implanted
A New Global Planarization Technique Utilizing In Situ Isotropic
Distribution of
Generation Mechanism of
Characterization Enhancements in Resist
O4)3Cl:Eu2+ Phosphors
ces Open-Circuit
Junction Solar Cells on Spray Solvents Dependence of
Tin-Oxide Electrode
es Electrocatalytic Activity of Nafion-Impregnated Pyrolyzed Cobalt
Charge and Ion Transport in Poly(pyrrole copper
Improved Performance of Unmodified and Cobalt
and Rugged Polycrystalline Silicon after Rapid Thermal Nitridation
Doped CeO2
ene Carbonate Interface: Temperature and Concentration Dependence of
rous Lanthanum-Phosphate-Bonded Nickel Electrodes Influence of
by Liquid Phase Deposition with H2O Addition Only The
Metastable Pitting of Aluminum and Criteria for the Transition to Stable
Chloride-Containing Acid Solution Resistance to
Metastable
Mechanism of Metallic Particle Growth and Metal-Induced
Plasma Induced Damage in a
Electrochemical
A Mathematical Model for
on A New Global
Silicon Wafer Etching by Transmitted Electron-Beam-Enhanced
echanism of a-SiC:H Films by Using Hexamethyldisilane in a Remote H2
Synthesis of Carbon Nitride in
Amorphous Silicon Nitride Films Prepared by Hydrogen Radical-Assisted
Global Model of
haracteristics of CaxLa1-xCrO3 Thick-Film Cathodes for Use in DC-Type
cs of Very Low Temperature (300 C) Silicon Epitaxial Growth by Confined
On-Line Inference of
Interferometric Real-Time Measurement of Uniformity for
Intrinsic and Passivation-Induced Trench Tapering during
Neutral Particle Flux Calculations in
ween Carrier Lifetime and Etch-Induced Defect States Effect of
Preparation of Thin Perfluorosulfonate Cation-Exchanger Films by
ng Tetrakis(dimethylamido)-Titanium in an Electron Cyclotron Resonance
on Nitride Films
Effect of Hydrogen Bonding Characteristics on the Corrosion of
lectrical Properties of Alpha-Si:H Thin Film Transistors Effects of
ion of Ion Energy and Angular Distributions in Single and Dual Frequency
Flow Ratio of Silicon Nitride Deposited by Electron Cyclotron Resonance
Ionic Conductivity in Ordered and Disordered Phases of
Ionic Conductivity of a Polymer Electrolyte with Modified Carbonate as a
On the Mechanism of Electroless Ni-P
Metal Distribution in Jet
In Situ Atomic Force Microscopy Study of the
Direct Nickel
Electroless Copper
cs Electro-oxidation of Methanol in Sulfuric Acid Electrolyte on
larization Time and Temperature on the Adsorption of Carbon Dioxide on
e of In Situ Atomic Force Microscopy to Image Copper Electrodeposits on
An Electroanalytical Investigation of Polybithiophene Modified
id Fuel Cell Electrolytes. II. Effects on the Oxygen Reduction Reaction at
tes on the Underpotential and Bulk Deposition of Silver on Polycrystalline
on Electrocatalytic Oxygen Reduction Activity of Nano-Grained Thin-Film
Hydrous Oxide Formation on
Evaluation of an Effective
l Solar Cells Preparation of a Langmuir-Blodgett Layer of Ultrafine
mical Solar Cells Equipped with an n-Si Electrode Modified with Colloidal
Improved Electrocatalytic Oxygen Reduction Performance of
thode 2%
ntrol and Improved Performance in the Polysilicon Doping Process Using
n Loops in Silicon during Oxidation A
CO2
minum Changes Produced by Cathodic
Surface Films Produced by Cathodic
on Platinum Influence of
The Role of Thallium as a Hydrogen Entry Promoter on Cathodically
ect of Temperature and Evaluation of Thermodynamic Parameters for the
Effect of Copper Ions in the Slurry on the Chemical-Mechanical
Feature-Scale Fluid-Based Erosion Modeling for Chemical-Mechanical
Tribology Analysis of Chemical-Mechanical

Photocatalyst in the Presence of Methanol Dehydrogenase Photoc 6 1498
Photocathodic Charging of Hydrogen 6 1539
Photochemical Reduction of Carbon Dioxide to Methanol Using ZnS Micro 6 1498
Photochemical Vapor Deposition 9 2435
Photocurable Polyurethane Polymer Membrane 9 L111
Photocured Gelled Electrolytes for Secondary Lithium Battery Application 6 1414
Photocurrent at Low Temperature in Bulk Semi-Insulating GaAs:Cr 9 2533
Photocurrent Behavior and Laser Spot Scanning of Passivated Stainless 2 362
Photoelectrochemical Applications 7 1779
Photoelectrochemical Behavior of Heterogeneous Material 5 1100
Photoelectrochemical Etching of 6H-SiC 3 778
Photoelectrochemical Etching. I. Correlations with Material and Etching 4 958
Photoelectrochemical Etching of InAs 5 1274
Photoelectrochemical Properties of Anatase and Rutile Films Prepared b 3 680
Photoelectrochemical Solar Cells Preparation of a Langmuir-Blodg 11 3077
Photoelectrochemical Solar Cells Equipped with an n-Si Electrode Modifi 11 3090
Photoelectrode/Potassium Ferri-Ferrocyanide Electrolyte Interface 12 3369
Photoelectron Spectroscopy Analysis and Scanning Electron Microscopic 9 2379
Photoetching of Gallium Arsenide 2 546
Photoexcited Hydrogen in Si CVD with SiH2Cl2 9 2567
Photoluminescence from CeCl3 Doped Al2O3 Films 10 2860
Photoluminescence in Stain-Etched Porous Si 3 674
Photoluminescence Measurement of Carbon in Silicon Crystals Irradiated 12 3576
Photoluminescence of Cerium-Activated Alkaline Earth Thiogallate Thin 10 2877
Photoluminescence of Mn2+-Activated ZnGa2O4 7 1950
Photoresist and Damage-Free Stripping 1 192
Photoresist Mask Erosion 1 251
Photoresist over GaAs Mesa Structures 2 576
Photoresist Residue after Ashing 9 2487
Photospeed 4 1034
Photostimulated Luminescence and Structural Characterization of Ba5(P 7 1851
Photovoltage and Charge Recombination at Semiconductor/Liquid Interfa 5 1231
Photovoltages of Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon 5 1357
Photovoltaic Properties of Sintered CdS/CdTe Solar Cells with an Indium- 12 3572
Phthalocyanine A Correlative Study Between Rotating Disk and Solid Pol 1 41
phthalocyanine tetrasulfonate) during Redox Switching 1 35
Phthalocyanine-Modified Carbon-Kel-F Composite Electrodes 2 323
Physical and Electrical Characteristics of Thin Silicon Nitride Dielectric Fil 4 1066
Physical Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of 8 2122
Physicochemical Parameters Microelectrode Study of the Lithium/ 11 3053
Physicochemical Properties of Alkaline Solutions and Temperature on th 5 1225
Physicochemical Properties and Growth Mechanism of Oxide (SiO2-xFx) 11 3177
Pit Growth 11 3028
Pitting and Chemical Composition of Passive Films of a Fe-17%Cr Alloy in 10 2669
Pitting Corrosion of Titanium 3 636
Pitting of Aluminum and Criteria for the Transition to Stable Pit Growth 11 3028
Pitting on Si Wafer Surface in Wet Chemical Processing 10 2834
Planar Inductively Coupled Etch Reactor 11 3218
Planarization for Multilevel Metallizatiion 9 2503
Planarization of Microelectronic Topographies 2 585
Planarization Technique Utilizing In Situ Isotropic Photoresist Mask Erosi 1 251
Plasma 9 2541
Plasma Preparation and Deposition M 10 2910
Plasma Arc 2 L16
Plasma Chemical Vapor Deposition C-V Characteristics of 3 742
Plasma Chemistry in a High Density Oxygen Discharge 6 1546
Plasma Display Panels Effect of Calcium Content on the Discharge 4 880
Plasma Enhanced Chemical Vapor Deposition The Kineti 12 3584
Plasma Etch Uniformity Using In Situ Ellipsometry 5 1387
Plasma Etching 7 1893
Plasma Etching 7 1964
Plasma Etching for Cylindrical Trench Holes 9 2453
Plasma Etching Edge-Type Exposures on Si Substrates: A Correlation Bet 11 3230
Plasma Induced Damage in a Planar Inductively Coupled Etch Reactor 11 3218
Plasma Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films 9 2273
Plasma Polymerization 9 2350
Plasma Process Low Temperature Deposition of TiN Usi 3 849
Plasma-Assisted Chemical Vapor Deposition and Characterization of Bor 6 1633
Plasma-Deposited Silicon Nitride Films 7 1938
Plasma-Enhanced Chemical Vapor Deposition Substrate Heating on the E 4 1040
Plasmas Predict 5 1313
Plasmas Kinetics and Compositional Dependence on the Microwave 11 3234
Plastic Crystals 7 1921
Plasticizer for Poly(ethylene oxide) 4 886
Plating 9 2356
Plating 3 691
Plating and Stripping of Silver 1 116
Plating on Aluminum Substrate for Microbump Formation 7 1791
Plating Using ZnO Thin Film Coated on a Glass Substrate 5 L56
Platinized-Carbon Electrodes with Several Functional-Group Characteristi 6 1517
Platinum Influence of Po 1 L4
Platinum Us 5 1166
Platinum Electrodes 10 2608
Platinum Electrodes Phosphorous Acid Impurities in Phosphoric Ac 12 3332
Platinum Electrodes The Effects of Organic Adsorba 12 3394
Platinum in Acid Media Microstructural Effects 2 425
Platinum in Phosphoric Acid Solution 9 2361
Platinum Metal Surface Area in a Phosphoric Acid Fuel Cell 7 1804
Platinum Particles and Its Application to n-Si for Efficient Photoelectroche 11 3077
Platinum Particles Efficient Photoelectroche 11 3090
Platinum Ternary Alloy-Oxide in Solid-Polymer-Electrolyte Fuel Cells 4 968
Platinum-H2WO4 Based Electrocatalysts for Phosphoric Acid Fuel-Cell Ca 8 L92
POCl3 A Novel Reactor Design Configuration for Contamination Co 8 2257
Point Defect Based Two-Dimensional Model of the Evolution of Dislocatio 3 759
Poisoning and Activation of the Gold Cathode during Electroreduction of 5 L58
Polarization in the Electrical Conduction Behavior of Surface Films on Alu 1 104
Polarization of Aluminum 1 96
Polarization Time and Temperature on the Adsorption of Carbon Dioxide 1 L4
Polarized HY-130 Steel 6 1526
Polarographic Behavior of 3-Methyl-4-(2'-substituted benzeneazo)-2-isox 5 1114
Polish Rate of Titanium 12 3512
Polishing 7 1900
Polishing 6 1698

Pattern Geometry Effects in the Chemical-Mechanical
of Complexing Agents on the Corrosion of Copper-Nickel Alloys in Sulfide
ctroscopy Study of the Redox Process of
ical Quartz Crystal Microbalance Investigation of a Poly(pyrrole)/Sulfated
Novel Electrosynthesis of
tivity of a Polymer Electrolyte with Modified Carbonate as a Plasticizer for
Properties of Electrochemically Cation-Doped
The Behavior of Carbon Electrodes Derived from
9 Charge and Ion Transport in
Electrochemical Quartz Crystal Microbalance Investigation of a
New Methods for Circuit Fabrication on
(100) Oriented
Metal Impurity Evaluation in Silane Gas from the Qualification of
Shallow Boron-Doped Layer Formation by Boron Diffusion from
The Behavior of Carbon Electrodes Derived from Poly(p-phenylene) in
l Properties of Dip-Coated, Spun and Organic Langmuir-Blodgett Films of
Redox Cyclability of a Self-Doped
-Diaminobenzenesulfonic Acid on IrO2-Coated Titanium Electrode
Electrochromic Performances of
Nanoscale Dimensional Changes and Optical Properties of
te Solutions Electrochemical Behavior of
An Electroanalytical Investigation of
port Process Preparation of Homogeneous
The Effect of Gas Ambient on the Resistance of BF2+ Ion-Implanted
A New Hydrogen Sensor Using a
Electronic Conductivity of
rganic Adsorbates on the Underpotential and Bulk Deposition of Silver on
The Formation of Boron-Doped
Effects of SiH4, GeH4, and B2H6 on the Nucleation and Deposition of
of Thin Silicon Nitride Dielectric Films Deposited on Smooth and Rugged
Deposition and Properties of Low-Pressure Chemical-Vapor Deposited
radation Caused by Anomalous Oxidation of BF2 Ion Implanted MoSi2 on
Electrochemical Behavior of Lithium Electrolytes Based on New
Modification of
Studies of
CuInS2 with Lamellar Morphology. I. Efficient Photoanodes in Acidic
New Thin-Layer Solid-State Lithium
mbic NaxMnO2 as a Cathode Material for Secondary Sodium and Lithium
balt Phthalocyanine A Correlative Study Between Rotating Disk and Solid
A
on Electrodes Derived from Poly(p-phenylene) in Polyacrylonitrile-Based
lene oxide) Ionic Conductivity of a
apacitor Composed of Activated Carbon Fiber Cloth Electrodes and Solid
Water Absorption of the
hium Salt Solutions Ionic Conductivity of Dual-Phase
Application of Solid
ide-Prussian Blue Electrochromic System Based on a Proton-Conducting
as Microscopic Phase-Transfer Mediators Application of the Solid
Cathode Characteristics of Amorphous V2O5 with
Thermal Stability of the
Preparation of Microarray Electrodes by Sonochemical Ablation of
Ion Sensor with Photocurable Polyurethane
Ambient Temperature Lithium
reparation of Thin Perfluorosulfonate Cation-Exchanger Films by Plasma
Plasma
Capacitive-Type Humidity Sensors Using
drical Horizontally Revolving Electrodes for the Production of Conducting
ation Through Alternate Immersions in Modification Solutions
Spectroscopic Ellipsometry and Atomic Force Microscopy of
Electrochemical Synthesis of Composite Films of Manganese Dioxide and
Electrocomposites of
loride Medium Chemical Attack on
Electrochemical and In Situ Spectroelectrochemical Study on
argeable Lithium Battery Cathodes Electrochemical Properties of a
ment on Low Pressure Chemical Vapor Deposited Amorphous Silicon and
onfiguration for Contamination Control and Improved Performance in the
A Simple Method to Control Bipolar
A Predictive Model for the Chemical Vapor Deposition of
Ion Sensor with Photocurable
Anisotropy of
A Comparative Study of NiO(Li), LiFeO2, and LiCoO2
n of the Flooded-Agglomerate Model to Study Oxygen Reduction on Thin
Alkaline Zincates at Packed-Bed Electrodes Applications of
kaline Solutions and Temperature on the Hydrogen Evolution Reaction on
lations with Material and Etching Parameters Morphology of
Kinetics of the Electrode Reaction at the H2-H2O
Crystallinity and Photoluminescence in Stain-Etched
Study of the Structure and Chemical Nature of
The Impact of Sonication on the Structure and Properties of Stain-Etch
Electrical Charge and HF Concentration Effect on
The Electrochemical Oxidation of Silicon and Formation of
Electroluminescence and Chemiluminescence of
Light Emission from
on of a Transient Structural Change during the Reversible Reduction of a
Oxide with High Yield of Water Absorption
Current Distribution in a
Detection of Corrosion-Related Defects in Aluminum Using
Silicon-On-Insulator Structures by Direct Carbonization Conversion and
ach for Estimating Anodic Current Distributions in Crevice Corrosion from
Deconvolution of the Impedance of the Silicon/Electrolyte Interface by
Room-Temperature Coloration of Stainless Steel by Alternating
of the Oxidation of n-InP with Low Carrier Concentrations in the Negative
a Solid Electrolyte A New
es Impedance Spectroscopy of Nonactive Metal Electrodes at Low
Wetting-in Studies on Alkaline-Fuel-Cell Cathodes Using a
etics of Hydrogen Evolution and Glucose Hydrogenation on Raney Nickel
The Electrocatalytic Hydrogenation of Glucose. II. Raney Nickel
Solution Effects of Temperature and
lasmas Kinetics and Compositional Dependence on the Microwave
Silicon-On-Insulator Devices for High Voltage and
of Lithium-Polymer Batteries under Galvanostatic Discharge and Dynamic
Warpage and Oxygen
tudy of the Passive Film Formation on Al-Ta Alloys. II. The Role of Al3Ta

Polishing of Inlaid Copper Structures 10 2842
Polluted Seawater The Conflicting Roles 6 1432
Poly(2-Naphthol) Film Using In Situ Multiple Internal Reflection FTIR Spe 1 156
Poly(Beta-hydroxyether) Composite Film Electrochem 8 2004
Poly(cyclo-organophosphazenes) 12 L162
Poly(ethylene oxide) Ionic Conduc 4 886
Poly(isothianaphthene) 2 338
Poly(p-phenylene) in Polyacrylonitrile-Based Polymer Electrolyte Cells 11 L143
Poly(pyrrole copper phthalocyanine tetrasulfonate) during Redox Switchin 1 35
Poly(pyrrole)/Sulfated Poly(Beta-hydroxyether) Composite Film 8 2004
Poly(tetrafluoroethylene) Substrates 12 3556
Poly-Si Film Grown by Ultrahigh Vacuum Chemical Vapor Deposition 10 2848
Poly-Si Layers 1 274
Poly-Si Through Thin SiO2 6 1702
Polyacrylonitrile-Based Polymer Electrolyte Cells 11 L143
Polyaniline A Comparative Study of the Electrochemica 6 1573
Polyaniline 3 L26
Polyaniline Derivative with External and Internal Doping via Electrochemi 10 2624
Polyaniline Films during Their Cycling in a pH 3 Electrolyte 10 2662
Polyaniline Measured by In Situ Spectroscopic Ellipsometry 4 850
Polyaniline-Poly(styrene sulfonate) Composite Films in Organic Electroly 6 1409
Polybithiophene Modified Platinum Electrodes 10 2608
Polycrystalline CuInSe2 Thin Films by a Two-Step Chemical-Vapor-Trans 2 558
Polycrystalline Diamond Film 1 291
Polycrystalline Diamond-Based Schottky Diode 8 2231
Polycrystalline Na-Beta-Alumina at High Temperatures 10 2779
Polycrystalline Platinum Electrodes The Effects of O 12 3394
Polycrystalline Si with Extremely Low Resistivities at Low Temperatures 5 1334
Polycrystalline Si1-xGex Films 9 2559
Polycrystalline Silicon after Rapid Thermal Nitridation Physical and 4 1066
Polycrystalline Silicon-Germanium Films 8 2235
Polycrystalline Silicon Gate Oxide Deg 9 2552
Polyether Networks 7 1915
Polyethyleneterephthalate by Implantation of Nitrogen Ions 2 582
Polyimide/Metal Interface 9 2374
Polyiodide Medium 5 1095
Polymer Batteries 7 L80
Polymer Batteries Orthorho 11 L145
Polymer Electrolyte Fuel-Cell Electrodes Electrocatalytic Activity of 1 41
Polymer Electrolyte for Operation at Temperatures up to 200 C 4 L46
Polymer Electrolyte Cells The Behavior of Carb 11 L143
Polymer Electrolyte with Modified Carbonate as a Plasticizer for Poly(ethy 4 886
Polymer Electrolytes Containing Alkylammonium Salts Electric Dou 7 1730
Polymer Electrolyte Systems Pb(CF3SO3)2PEOn and Zn(CF3SO3)2PEOn 7 1819
Polymer Electrolytes Comprised of NBR/SBR Latex Films Swollen with Lit 8 1999
Polymer Electrolyte to Lithium/Polypyrrole Secondary Battery System 8 1994
Polymer Electrolyte Tungsten Ox 8 2061
Polymer Electrolyte Method to Organic Electrochemistry. XVII. Indirect El 10 2579
Polymer Electrolyte and Li Anode at 100 C 10 2611
Polymer Electrolyte (PEO)8LiCF3SO3 11 2978
Polymer Films 3 L23
Polymer Membrane 9 L111
Polymer Rocking-Chair Batteries 6 1405
Polymerization P 9 2350
Polymerization of Sulfonated Fluorochlorocarbon Ionomer Films 9 2273
Polymerized Vinyl Carboxylate 3 614
Polymers Partially Immersed Cylin 1 147
Polyoxometallate-based Layered Composite Films on Electrodes. Prepar 1 140
Polyphenylene Oxide Films 1 306
Polypyrrole and Their Properties as an Active Material in Lithium Second 1 10
Polypyrrole and Carbon Black 2 L13
Polypyrrole by Electrolytically Generated Solution Species in Aqueous Ch 11 2942
Polypyrrole/Disulfide Composite Electrode 4 L49
Polypyrrole/Polystyrenesulfonate Composite Film and Its Application to 9 2326
Polysilicon Multiple-Angle Incident Ellipsometry Measure 8 2146
Polysilicon Doping Process Using POCl3 A Novel Reactor Design 8 2257
Polysilicon Emitter Interfacial Oxide 11 3167
Polysilicon in a Cold Wall, Rapid Thermal System 6 1658
Polyurethane Polymer Membrane 9 L111
Porous Anodization of Aluminum for VLSI Technology 9 2556
Porous Cathodes for Molten Carbonate Fuel Cells 12 3429
Porous Coating Rotating Disk Electrode Applicatio 2 431
Porous Flow-Through Electrodes. V. Electrowinning of Zinc from Flowing 2 441
Porous Lanthanum-Phosphate-Bonded Nickel Electrodes Influence 5 1225
Porous n-Type Silicon Obtained by Photoelectrochemical Etching. I. Corre 4 958
Porous Pt/Stabilized Zirconia Interface 6 1674
Porous Si 3 674
Porous Si and Siloxene by STM, AFM, XPS, and LIMA 2 402
Porous Silicon 12 L166
Porous Silicon Formation 3 689
Porous Silicon in Acetonitrile 4 1006
Porous Silicon in Nonaqueous Solution 5 1157
Porous Silicon under Photo- and Electroexcitation 11 3071
Porphyrin Thin-Film Electrode Observati 7 1735
Positive Charge Induced by Inorganic Spin-On-Glass. Influence of Silicon 6 1628
Positive Current Collector of a Sodium-Selenium(IV) Molten Salt Battery 9 2413
Positron Annihilation Spectroscopy 12 3361
Postgrowth from Silacyclobutane SiC 6 L66
Potential Measurements An Appro 2 358
Potential Modulated-Microwave-Measurements 12 L171
Potential Pulse Method 3 648
Potential Region Study 5 1161
Potential-Type Humidity Sensor Using EMD-Based Manganese Oxides as 4 L35
Potentials in Propylene Carbonate Solutions. A Comparison to Studies of 7 1808
Potentiostatic-Galvanostatic Experimental Design 6 1503
Powder The Electrocatalytic Hydrogenation of Glucose. I. Kin 10 2729
Powder Flow-Through Reactor Model 10 2742
Powder Morphologies on the Cementation Rate of Copper in Alkaline Zinc 3 664
Power and SiH4/N2 Flow Ratio of Silicon Nitride Deposited by Electron Cy 11 3234
Power IC Applications 7 1983
Power Profile Three-Dimensional Thermal Modeling 11 2947
Precipitate Distributions in CZ Silicon Wafers 7 1856
Precipitates in Breakdown A Microellipsometric S 5 1132

ptical Microscope Observation of Oxygen
Morphology Change of Oxide
emical Vapor Deposition Fe Incorporation and
Improving Axial Oxygen
thanum Chromites by Means of Electrical Conductivity Relaxation
tudied by FTIR Spectroscopy. Criteria for the Design of Organophosphine
of the Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition
of the Adsorption/Desorption Behavior of Cu Chemical Vapor Deposition
Gas-Phase
quency Plasmas
ld Wall, Rapid Thermal System A
On the Emergence and Spacing of Zinc Striations. I. Determination of
Applications
ethyldisilane in a Remote H2 Plasma
s Application to n-Si for Efficient Photoelectrochemical Solar Cells
o-Step Chemical-Vapor-Transport Process
r Films

al Properties in H2-H2O Atmospheres
Polymerization
Process
Polyoxometallate-based Layered Composite Films on Electrodes.
Electrochemical Behavior of n-Type CdTe in the
Dioxide to Methanol Using ZnS Microcrystallite as a Photocatalyst in the
ism of the Hydrogen Evolution Reaction at Raney Nickel Electrodes in the
Mechanism of Atmospheric Corrosion of Copper in the
Limiting Current Density on a Line Electrode in the
Kinetics of Electrochemical Vapor Deposition of CeO2 on Oxygen Partial
Modeling the Wafer Temperature Profile in a Multiwafer Low
Gas-Phase Reaction Study of Disilane Pyrolysis: Applications to Low
Multiple-Angle Incident Ellipsometry Measurement on Low
Theoretical Aspects for Low
Electrochemical Reduction of CO2 on a Cu Electrode under High
Chemical Vapor Deposition of Silicon from Disilane under Reduced
urities in Bulk Nitrogen Use of Atmospheric
Eliminating the Surface Inversion Layer under the Field Oxide by Low
Selectivity Mechanisms in Low
Effect of Pt/Al2O3 Catalyst on GaAs Grown by Low
Influence of Electrolyte on Lithium Cycling Efficiency with
Examination of Si Substrate Surface after Different Chemical
Buffered Hydrogen Fluoride by a Surfactant Addition

A Finite-Difference Method for Pseudo-Two-Dimensional Boundary Value
assivation Against Cu Contamination Using the Rapid Thermal Annealing
kis(dimethylamido)-Titanium in an Electron Cyclotron Resonance Plasma
Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by Sol-Gel
Electrochromism of Niobium Oxide Thin Films Prepared by the Sol-Gel
crystalline CuInSe2 Thin Films by a Two-Step Chemical-Vapor-Transport
logy of Ultrafine RuO2-IrO2 Binary Oxide Particles Prepared by a Sol-Gel
Preparation of Ultrafine RuO2-SnO2 Binary Oxide Particles by a Sol-Gel
Films
Ellipsometric Analysis of Growth
on on Nickel Deposition from Unbuffered Aqueous Solutions I. Deposition
ing Optimization of Ultrathin Gate Oxide in a SILO/RTN Isolation
Uniformity of the N2O Furnace Oxynitride
The Effect of pH on the Localized Etching
FTIR Spectroscopy Study of the Redox
ilt Structure Fabricated by Sol-Gel Process Effect of Gas Diffusion
The Development of an Anisotropic Si Etch
Electroless Copper Deposition
Ultrathin Tantalum Oxide Capacitor
ntamination Control and Improved Performance in the Polysilicon Doping
ron Etch Stops in Silicon The Effects of
y of Electrical, Metallurgical, and Mechanical Behaviors of Rapid Thermal
Layer Approach to Reducing Reflections in Multilayer Metal Lithographic
Particle Deposition on Silicon Wafers during Wet Cleaning
tic Production of Aluminum A Chronoamperometric Study of Anodic
mistry Reactive Ion Etch
Surface Related Phenomena in Integrated PECVD/Ozone-TEOS SACVD
Studies on Deposition and Dissolution
e Growth and Metal-Induced Pitting on Si Wafer Surface in Wet Chemical
he Applications of Citric Acid/Hydrogen Peroxide Etching Solutions in the
Modeling, Identification, and Control of Rapid Thermal
tion of Silicon Oxide Films Grown in N2O Atmosphere in a Rapid Thermal
CO2 on a Cu Electrode under High Pressure. Factors that Determine the
Types of Carbon Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic
Partially Immersed Cylindrical Horizontally Revolving Electrodes for the
um-Polymer Batteries under Galvanostatic Discharge and Dynamic Power
Effects of Deposition and Ion Scattering on
Simulation of Rarefied Gas Transport and
Modeling the Wafer Temperature
The
Phosphor Development for Alpha-Silicon Liquid Crystal Light Valve
of an Anodic Oxide Film Modified Constant-Current Anodization. A
The Role of Thallium as a Hydrogen Entry
Modeling of the Factors Contributing to the Initiation and
repared by Electrochemical Selenization of Metal Layers Structural
eposition with H2O Addition Only The Physicochemical
esis of Composite Films of Manganese Dioxide and Polypyrrole and Their
eparation of Nickel Pattern Electrodes on YSZ and Their Electrochemical
Radiation-Assisted Si Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases.
Photoelectrochemical
Enhanced Chemical Vapor Deposition Substrate Heating on the Electrical
Phosphate-Bonded Nickel Electrodes Influence of Physicochemical
lication to Rechargeable Lithium Battery Cathodes Electrochemical
ectrolysis Control of Magnetic
olyaniline A Comparative Study of the Electrochemical
The Effect of Solution pH and Heat-Treatment on the

Surface Electronic
con-Germanium Films Deposition and
O2 Physical
osition Electrochromic

Precipitates in CZ-Grown Si Wafers with a Phase Differential Scanning O 9 L120
Precipitates in CZ Silicon during Two-Step Annealing 12 3588
Precipitation in Semi-Insulating Fe-Doped InP Grown by Metalorganic Ch 1 242
Precipitation Uniformity in CZ Silicon Crystals Using the S-Curve Concept 1 173
Precise Determination of the Chemical Diffusion Coefficient of Calcium-Do 5 1268
Precursors Decomposition of Cyanoethylphosphine, Benzylphosphi 7 1886
Precursors on Silica. III. FTIR Studies 12 3539
Precursors on Silica. IV. FTIR Studies 12 3547
Precursors to Diamond and the sp2 Carbon Impurity 8 2161
Prediction of Ion Energy and Angular Distributions in Single and Dual Fre 5 1313
Predictive Model for the Chemical Vapor Deposition of Polysilicon in a Co 6 1656
Preferred Striation Frequency 6 1477
Preparation and Properties of Sb2S3 Thin Films for Photoelectrochemical 7 1779
Preparation and Deposition Mechanism of a-SiC:H Films by Using Hexam 10 2910
Preparation of a Langmuir-Blodgett Layer of Ultrafine Platinum Particles a 11 3077
Preparation of Homogeneous Polycrystalline CuInSe2 Thin Films by a Tw 2 558
Preparation of Microarray Electrodes by Sonochemical Ablation of Polyme 3 L23
Preparation of Ni-Sn Alloys by an Electroless-Deposition Method 6 1471
Preparation of Nickel Pattern Electrodes on YSZ and Their Electrochemic 8 2129
Preparation of Thin Perfluorosulfonate Cation-Exchanger Films by Plasma 9 2350
Preparation of Ultrafine RuO2-SnO2 Binary Oxide Particles by a Sol-Gel 5 1243
Preparation Through Alternate Immersions in Modification Solutions 1 140
Presence of a Monoelectronic Oxidizing Agent (Ce4+) 9 2409
Presence of Methanol Dehydrogenase Photochemical Reduction of 6 1498
Presence of Organic Compounds Study of the Mechan 4 975
Presence of Submicron Ammonium Sulfate Particles at 300 and 373 K 11 2935
Presence of Tangential, Oscillating Fluid Flow 10 2753
Pressure Dependence of the 5 1261
Pressure Chemical Vapor Deposition Furnace 1 161
Pressure Chemical Vapor Deposition 8 2135
Pressure Chemical Vapor Deposited Amorphous Silicon and Polysilicon 8 2146
Pressure Diamond Syntheses 1 278
Pressure. Factors that Determine the Product Selectivity 8 2097
Pressure in a Circular Impinging Jet Reactor. Simulation and Experiments 3 824
Pressure Ionization Mass Spectrometry to Monitor Hydrocarbon Type Imp 9 2478
Pressure Rapid Thermal Annealing 9 2498
Pressure Selective Epitaxial Silicon Growth 4 1046
Pressure TEAs-TMGa Organometallic Vapor-Phase Epitaxy 9 2573
Pressurized Electrode Stack 3 611
Pretreatments by Means of Nulling Ellipsometry 2 554
Prevention of Microroughness Generation on the Silicon Wafer Surface in 10 2899
Prevention of Resist Pattern Collapse by Resist Heating during Rinsing 12 L169
Problems 1 151
Process Improved Phosphosilicate Glass P 3 734
Process Low Temperature Deposition of TiN Using Tetra 3 849
Process Effect of Gas Diffusion Process on Sensing Properties of S 1 220
Process 9 2439
Process Preparation of Homogeneous Poly 2 558
Process Morpho 9 L118
Process 5 1243
Process and Film Characterization of Chemical-Bath-Deposited ZnS Thin 1 205
Process and Corrosion Resistance of Nb2O5 Films Formed by MOCVD 6 1669
Process and Deposit Structure Effects of Oxygen Reducti 8 2030
Process for Advanced ULSI. Introducing a New Concept of Surface Getter 10 2811
Process for the Formation of Thin Tunnel Dielectrics 12 3500
Process Induced by Laser Irradiation 4 943
Process of Poly(2-Naphthol) Film Using In Situ Multiple Internal Reflection 1 156
Process on Sensing Properties of SnO2 Thin Film Sensors in a SiO2/SnO 1 220
Process Selective to GexSi1-x Underlayers 2 507
Process Using Glyoxylic Acid as a Reducing Agent 3 730
Process Using Oxygen-Plasma Annealing 5 1246
Process Using POCl3 A Novel Reactor Design Configuration for Co 8 2257
Process-Induced Defects on the Chemical Selectivity of Highly Doped Bo 1 178
Processed Ti Films in NH3 A Stud 2 479
Processes An Absorbing 5 1375
Processes 6 1684
Processes at Various Types of Carbon Anode in Al2O3-Na3AlF6 Melts Us 8 2103
Processes for Amorphous Silicon Thin-Film Transistors. SiCl4 Based Che 2 502
Processes for Sub-Half Micron Gap Fill. Electrostatic Effects 8 2172
Processes of PbO2 in Perchloric Acid Electrolytes 8 1998
Processing Mechanism of Metallic Particl 10 2834
Processing of Pseudomorphic MODFETs T 4 1082
Processing Systems 11 3200
Processor Growth Rate and Characteriza 1 259
Product Selectivity Electrochemical Reduction of 8 2097
Production of Aluminum A Chronoamperometric Study of Anodic Pr 8 2103
Production of Conducting Polymers 1 147
Profile Three-Dimensional Thermal Modeling of Lithi 11 2947
Profile Control in Submicron Oxide Etch 10 2904
Profile Evolution in Nonplanar Substrate Chemical Vapor Deposition 9 2545
Profile in a Multiwafer Low Pressure Chemical Vapor Deposition Furnace 1 161
Profile of Electrically Active Phosphorus in Silicon after Thermal Oxidation 12 3580
Projection Display 11 3172
Promising Mechanism for Minimizing Interface States in the Silicon/Silico 8 2227
Promoter on Cathodically Polarized HY-130 Steel 6 1526
Propagation of the Crevice Corrosion of Alloy 625 11 3006
Properties and Growth Mechanism of Copper and Indium Selenide Films 6 1566
Properties and Growth Mechanism of Oxide (SiO2-xFx) by Liquid Phase D 11 3177
Properties as an Active Material in Lithium Secondary Batteries Ele 1 10
Properties in H2-H2O Atmospheres Pr 8 2129
Properties in the Low Temperature Region Synchrotron 6 1562
Properties of Anatase and Rutile Films Prepared by the Sol-Gel Method 3 660
Properties of Alpha-Si:H Thin Film Transistors Effects of Plasma- 4 1040
Properties of Alkaline Solutions and Temperature on the Hydrogen Evoluti 5 1225
Properties of a Polypyrrole/Polystyrenesulfonate Composite Film and Its 9 2326
Properties of Chemically Deposited Cobalt Nickel Phosphorus Films by El 9 2386
Properties of Dip-Coated, Spun and Organic Langmuir-Blodgett Films of P 6 1573
Properties of Electroless Nickel Boron Films 1 78
Properties of Electrochemically Cation-Doped Poly(isothianaphthene) 2 338
Properties of Electrolytically Hydrogen Terminated Si(111) 12 3595
Properties of Low-Pressure Chemical-Vapor Deposited Polycrystalline Sili 8 2235
Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped Ce 8 2122
Properties of Niobium Oxide Thin Films Prepared by Chemical Vapor Dep 10 2868

ts for Electrical Double-Layer Capacitors Electrochemical
Nanoscale Dimensional Changes and Optical
ive and Ion-Storage Characteristics Electrochemical and Structural
The Impact of Sonication on the Structure and
ted by Sol-Gel Process Effect of Gas Diffusion Process on Sensing

Preparation and
eposition Reaction and Film
ectrode Photovoltaic
Effect of Iron on the Electrochemical
Determination of Thermodynamic
Deposition Electrochromic
olutions Electrical
apor Deposition Electrochromic
Mn2+ Concentration Effect on the Optical
Enhanced Electrochromic
edance Spectroscopy of Nonactive Metal Electrodes at Low Potentials in
bility and Ionic Association of Lithium and Quaternary Ammonium Salts in
f Alkanethiol Self-Assembled Monolayers with Alkyltrichlorosilanes for the

erature Molten Salt System. Expansion of the Electrochemical Window on
on Nickel Hydroxide Discharge Curves Effect of
ixtures. I. Experimental Analysis Mass Transport Phenomena in
ixtures. II. Theoretical Analysis Mass Transport Phenomena in
Tungsten Oxide-Prussian Blue Electrochromic System Based on a
Oxygen Reduction on Ruthenium-Oxide Pyrochlore Produced in a
Simultaneous Synthesis of Ozone and Hydrogen Peroxide in a
Electrochemical Hydrogen Permeation in a

Detection of D2O in Water Isotopes Using a High Temperature
A Finite-Difference Method for
s of Citric Acid/Hydrogen Peroxide Etching Solutions in the Processing of
ects of Toluene and Benzoic Acid on the Kinetics of Ferrous Oxidation on
The Influence of Methanol on O2 Electroreduction at a Rotating
nzoic Acid on the Kinetics of Ferrous Oxidation on Pt and Nafion-Coated
ucture Study on Structure Transformation and Electronic State of Various
Life Tests of Carbon-Supported
emperature-Dependent Methanol Electro-oxidation on Well-Characterized
etallic Vapor-Phase Epitaxy Effect of
Kinetics of the Electrode Reaction at the H2-H2O Porous
Anodic Oxidation of Methanol on
Improvement of the Gate Oxide Integrity by Modifying Crystal
Room-Temperature Coloration of Stainless Steel by Alternating Potential
Effect of Corrosion on the Composition of

of Reactive Elements on Scale Growth in High-Temperature Oxidation of
h SiH2Cl2 Growth Defect Observation with
Surface-Enhanced Raman Scattering from
Oxygen Reduction on Ruthenium-Oxide
al and Microstructural Studies of SnO2 Ceramics Obtained by Tin Sulfate
Gas-Phase Reaction Study of Disilane
tion of In Situ Phosphorus-Doped Amorphous Silicon Films Deposited by
High-Resolution Images of Pd Particles Supported on Highly Oriented
AC Impedance Studies of Highly Oriented
uel-Cell Electrodes Electrocatalytic Activity of Nafion-Impregnated

Metal Impurity Evaluation in Silane Gas from the
and Overpotential for Galvanostatic Discharge of Hydride Electrodes. II.
Influence of Impurities on the Luminescence
on to the Study of Nickel Electrodeposition
i-PbO2 Films on Gold Electrodes Application of an Electrochemical
Calibration of an Electrochemical
(Beta-hydroxyether) Composite Film Electrochemical
In Situ Monitoring of Phosphatation Reactions on Zn Using the
Electrochemical Impedance of Blocking
actone Mobility and Ionic Association of Lithium and
Electrochemical Properties of Organic Liquid Electrolytes Based on
Rapidly

Solid-State Redox Reactions of LiNi1/2Co1/2O2
Solid-State Redox Reactions of LiCoO2
Magnetic Field Effects in High-Power Batteries. II. Time Constant of a
A Monte Carlo Simulation Study of
Properties in the Low Temperature Region Synchrotron
Characteristics of Amorphous Silicon Nitride Films Prepared by Hydrogen
Growth of ZnGa2O4 Phosphor by
el Surface-Enhanced
l Grown-in Defects on the Pause Tail Characteristics of Megabit Dynamic
Study of the Mechanism of the Hydrogen Evolution Reaction at
lucose. I. Kinetics of Hydrogen Evolution and Glucose Hydrogenation on
The Electrocatalytic Hydrogenation of Glucose. II.
d Characterization of Silicon Oxide Films Grown in N2O Atmosphere in a
A Study of Electrical, Metallurgical, and Mechanical Behaviors of
d Phosphosilicate Glass Passivation Against Cu Contamination Using the
vel Transient Spectroscopy and Lifetime Measurements
ctric Films Deposited on Smooth and Rugged Polycrystalline Silicon after
ve Model for the Chemical Vapor Deposition of Polysilicon in a Cold Wall,

ating the Surface Inversion Layer under the Field Oxide by Low Pressure
Modeling, Identification, and Control of
ion Parameters on the Electrical Characteristics of Thin Oxides Grown by
d Selective Epitaxy Using Disilane and Hydrogen in an Ultrahigh Vacuum
Initial Events during the Passivation of
alteries
mical Vapor Deposition Simulation of
re in a Rapid Thermal Processor Growth
Effects of Temperature and Powder Morphologies on the Cementation
Ellipsometric Examination of Structure and Growth
Enhancement of the Reactive Deposition

Properties of Organic Liquid Electrolytes Based on Quaternary Onium Sal 11 2989
Properties of Polyaniline Measured by In Situ Spectroscopic Ellipsometry 4 859
Properties of SnO2 and Sb:SnO2 Transparent Electrodes with Mixed Elec 9 L127
Properties of Stain-Etch Porous Silicon 12 L166
Properties of SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Built Structu 1 220
Properties of Silver Films Sputter-Deposited on Biased Substrates 6 1691
Properties of Sb2S3 Thin Films for Photoelectrochemical Applications 7 1779
Properties of Selective Titanium Silicide Low-Pressure Chemical Vapor D 7 1879
Properties of Sintered CdS/CdTe Solar Cells with an Indium-Tin-Oxide El 12 3572
Properties of the Nickel Hydroxide Electrode 3 713
Properties of Ternary Al-Cu-Zn Alloys by Electromotive Force Method 4 927
Properties of Tungsten Trioxide Thin Films Prepared by Chemical Vapor 4 1021
Properties of Thin Anodic Oxides Formed on Silicon in Aqueous NH4OH S 5 1309
Properties of Tungsten Trioxide Thin Films Prepared by Photochemical V 9 2435
Properties of Zn2SiO4:Mn Phosphors 2 524
Property of Nickel Hydroxide Thin Films Prepared by Anodic Deposition 12 3439
Propylene Carbonate Solutions. A Comparison to Studies of Li Electrodes 7 1808
Propylene Carbonate and Gamma-Butyrolactone Mo 12 3336
Protection of Copper Against Corrosion A Chemical Modification o 8 2018
Protective Treatments for Nickel-Based Contact Materials 7 1977
Proton Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid The Tern 3 L19
Proton Diffusion, Electron Conductivity, and Charge-Transfer Resistance 2 346
Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 M 8 2084
Proton Exchange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 M 8 2089
Proton-Conducting Polymer Electrolyte 8 2051
Proton-Exchange Membrane 4 L51
Proton-Exchange-Membrane Electrochemical Reactor 5 1174
Proton-Hole Mixed Conductor and Its Application to a Membrane Reactor 7 1720
Protonic Conduction Phosphate Glasses 6 L84
Protonic Conductor 9 L125
Pseudo-Two-Dimensional Boundary Value Problems 1 151
Pseudomorphic MODFETs The Application 4 1082
Pt and Nafion-Coated Pt Electrodes Eff 6 1483
Pt Disk Electrode in Acid Electrolyte 7 1770
Pt Electrodes Effects of Toluene and Be 6 1483
Pt Particles on Carbon Electrode In Situ X-Ray Absorption on Fine 9 2516
Pt-Cr-Cu Electrocatalysts in Solid-Polymer Fuel Cells 9 L132
Pt-Ru Alloys T 7 1795
Pt/Al2O3 Catalyst on GaAs Grown by Low Pressure TEAs-TMGa Organom 9 2573
Pt/Stabilized Zirconia Interface 6 1674
Pt/WO3 in Acidic Media 11 3082
Pulling and Its Impact on Device Failures 5 1398
Pulse Method 3 648
Pulse-Plated Cu-Ni Alloys 5 1509
Pulsed Electroreduction of CO2 on Copper Electrodes-II 5 1138
Pure Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics and Scale Mor 7 1905
Pyramidal Hillock and Reduction by Photoexcited Hydrogen in Si CVD wit 9 2567
Pyridine Adsorbed on Thin Layers of Stainless Steel 12 3312
Pyrochlore Produced in a Proton-Exchange Membrane 4 L51
Pyrolysis Electric 11 3254
Pyrolysis: Applications to Low Pressure Chemical Vapor Deposition 8 2135
Pyrolysis of Si2H6 and PH3 Nuclea 8 1365
Pyrolytic Graphite and Glassy Carbon 9 2511
Pyrolytic Graphite in 1 M NaOH Solution 10 2716
Pyrolyzed Cobalt Phthalocyanine A Correlative Study Between Rotating D 1 41

— Q —

Qualification of Poly-Si Layers 1 274
Quantitative Numerical Calculations Hydrogen Surface Concentrati 8 2113
Quantum Efficiency of the Lamp Phosphor (Ce, Gd, Tb)MgB5O10 8 2201
Quartz Crystal Electrogravimetry with Controlled Hydrodynamics. Applicati 9 L103
Quartz Crystal Microbalance to a Study of the Anodic Deposition of PbO2 3 652
Quartz Crystal Microbalance during Localized Corrosion 7 1838
Quartz Crystal Microbalance Investigation of a Poly(pyrrole)/Sulfated Poly 8 2004
Quartz Crystal Microbalance 10 2655
Quasi-Fractal 3-d Electrodes 10 2711
Quaternary Ammonium Salts in Propylene Carbonate and Gamma-Butyrol 12 3336
Quaternary Onium Salts for Electrical Double-Layer Capacitors 11 2989
Quenched Ni64Zr36 Fiber Anodes for Ni/Hydride Rechargeable Batteries 12 3291

— R —

(R3m) for 4 Volt Secondary Lithium Cells 8 2010
(R3m) for Four-Volt Secondary Lithium Cells 11 2972
Radial Circuit Terminated by a Cylindrical Cell with Inductance 3 708
Radiation Heat Transfer in the Multiwafer LPCVD Reactor 2 496
Radiation-Assisted Si Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases. 6 1562
Radical-Assisted Plasma Chemical Vapor Deposition C-V 3 742
Radio Frequency Magnetron Sputtering 6 1617
Raman Scattering from Pyridine Adsorbed on Thin Layers of Stainless Ste 12 3312
Random Access Memory Devices The Effect of the Crysta 7 1872
Raney Nickel Electrodes in the Presence of Organic Compounds 4 975
Raney Nickel Powder The Electrocatalytic Hydrogenation of G 10 2729
Raney Nickel Powder Flow-Through Reactor Model 10 2742
Rapid Thermal Processor Growth Rate an 1 259
Rapid Thermal Processed Ti Films in NH3 2 479
Rapid Thermal Annealing Process Improve 3 734
Rapid Thermal Annealing of p-Type Silicon. Correlation Between Deep-Le 3 754
Rapid Thermal Nitridation Physical and Electrical Characteristics of 4 1066
Rapid Thermal System A Predicti 6 1658
Rapid Thermal Annealing in Advanced Silicon Bipolar Technology 6 1663
Rapid Thermal Annealing Elimin 9 2498
Rapid Thermal Processing Systems 11 3200
Rapid Thermal Oxidation of Si in N2O Effects of Oxide Thickness a 11 3222
Rapid Thermal Chemical Vapor Deposition Reactor Growth Kinetics 11 3269
Rapidly Dissolving Aluminum Surfaces 6 1453
Rapidly Quenched Ni64Zr36 Fiber Anodes for Ni/Hydride Rechargeable B 12 3291
Rarefied Gas Transport and Profile Evolution in Nonplanar Substrate Che 9 2545
Rate and Characterization of Silicon Oxide Films Grown in N2O Atmosphe 1 259
Rate of Copper in Alkaline Zinc Solution 3 664
Rate of Metalorganic Chemical Vapor Deposited Ta2O5 Films on Si(100) 3 853
Rate of TiN Films at Low Nitrogen Content 1 L8

Effect of Copper Ions in the Slurry on the Chemical-Mechanical Polish
Fluctuations of Permeation
High-Selectivity and High-Deposition
Modeling of Cylindrical Alkaline Cells. V. High Discharge
d Compositional Dependence on the Microwave Power and SiH4/N2 Flow
Measurement of Interfacial
Chemical Vapor Deposition
N4
Li Deintercalation-Intercalation
osphoric Acid Fuel Cell Electrolytes. II. Effects on the Oxygen Reduction
ds
Study of the Mechanism of the Hydrogen Evolution
Kinetics of the Electrode
A Study of the Dissociation State and the SiO2 Etching
The
perties of Alkaline Solutions and Temperature on the Hydrogen Evolution
cal Vapor Deposition
Gas-Phase
luminescence Transient and Its Application to Kinetic Study on Electrode
Electrocatalysis of Anodic Oxygen-Transfer
tion Mechanism at a Fully Immersed Gold Electrode
Gas Electrode
Mixing Effect of Metal Oxides on Negative Electrode
Solid-State Redox
Solid-State Redox
Molten Salts
Heterogeneous and Homogeneous Electron Transfer
In Situ Monitoring of Phosphatation
des in Acidic Solutions
Electrocatalysis of Anodic Oxygen-Transfer
Enhancement of the
d Copper. I. Oxidation Kinetics and Scale Morphology
The Role of
Limitations on the Use of Ion Implantation for the Study of the
SiCl4 Based Chemistry
Residue-Free Etching of the Al-Si-Cu Alloy Employing Magnetron
strates in CF4 + O2 + Ar
High Selectivity Magnetically Enhanced
Low-Temperature Wafer Bonding of Surfaces Using a
Correlations of Atomic Structure and
tion in a Proton-Hole Mixed Conductor and Its Application to a Membrane
Plasma Induced Damage in a Planar Inductively Coupled Etch
rogen in an Ultrahigh Vacuum Rapid Thermal Chemical Vapor Deposition
eling of CVD of Silicon Dioxide Using TEOS and Ozone in a Single-Wafer
rlo Simulation Study of Radiation Heat Transfer in the Multiwafer LPCVD
nd Hydrogen Peroxide in a Proton-Exchange-Membrane Electrochemical
rformance in the Polysilicon Doping Process Using POCl3
A Novel
talytic Hydrogenation of Glucose. II. Raney Nickel Powder Flow-Through
Silicon from Disilane under Reduced Pressure in a Circular Impinging Jet
Corrosion of
Mass-Transfer Behavior of Electrochemical
Interferometric
ce Chemistry and the Performance of Li-Carbon Intercalation Anodes for
ynthesis of Hollandite-Type Manganese Dioxide with H+ Form for Lithium
Rapidly Quenched Ni64Zr36 Fiber Anodes for Ni/Hydride
Cell
The
A 3 Volt Lithium Manganese Oxide Cathode for
n Investigation of Spinel-Related and Orthorhombic LiMnO2 Cathodes for
a Polypyrrole/Polystyrenesulfonate Composite Film and Its Application to
Characterization of Sputter-Deposited LiMn2O4 Thin Films for
Open-Circuit Photovoltage and Charge
Lifetime Study of Metastable Surface
Oxygen
Double Layer Effects Associated with Surface
Study of the
flection FTIR Spectroscopy
Study of the
ells
Solid-State
Solid-State
on Transport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during
e Bathing Electrolytes
AC Impedance at
eriments
Chemical Vapor Deposition of Silicon from Disilane under
A Czochralski Silicon Growth Technique Which
Electroless Copper Deposition Process Using Glyoxylic Acid as a
An Absorbing Layer Approach to
ent/Voltage Curves at n-Si/SiO2/Pt Electrodes. Evidence for Hot Electron
fline Structures of Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of CO2
Microstructural Effects on Electrocatalytic Oxygen
Hot Electron
e Studied by Impedance Spectroscopy
Oxygen
Growth Defect Observation with Pyramidal Hillock and
ide
The Role of an Electrolysis
The Role of Oxygen
s in Molten Carbonate Media. V. Electrochemical Analysis of the Oxygen
de
Electrochemical
de
Electrochemical
In Situ Scanning Tunneling Microscopy Studies of the Formation and
Observation of a Transient Structural Change during the Reversible
ons
Negative Apparent Electrochemical Enthalpy of Activation. The
Electrochromic Oxidation and
Without Cobalt(II) and Iron(II) Complexes
Electrochemical
atalyst in the Presence of Methanol Dehydrogenase
Photochemical
etermine the Product Selectivity
Electrochemical
Electrochemical
Cathodic
In Situ Multielement XANES Study of Formation and
g the Selective Chemical Vapor Deposition of Tungsten by the Hydrogen
Limiting Current of Oxygen
position Process and Deposit Structure
Effects of Oxygen
e Membrane
Oxygen
Application of the Flooded-Agglomerate Model to Study Oxygen
Electrolyte Fuel Cells
Improved Electrocatalytic Oxygen
rities in Phosphoric Acid Fuel Cell Electrolytes. II. Effects on the Oxygen
Fischer-Tropsch Electrochemical CO2
lectrocatalysis of CO2 Reduction
Design of Electrocatalyst for CO2
he Redox Process of Poly(2-Naphthol) Film Using In Situ Multiple Internal
HF-Last Cleaned (100) Silicon Surfaces Investigated by Multiple Internal
An Absorbing Layer Approach to Reducing
re Silicon Epitaxial Layer and HF-Treated Silicon Substrate
X-Ray

Rate of Titanium 12 3512
Rate Through an Iron Membrane Induced by Hydrogen Bubbles 8 2059
Rate Tungsten CVD Freed from Chamber Cleaning 2 566
Rates 1 15
Ratio of Silicon Nitride Deposited by Electron Cyclotron Resonance Plasm 11 3234
Re-equilibration during Hydrogen Bubble Coalescence 5 1118
Reaction and Film Properties of Selective Titanium Silicide Low-Pressure 7 1879
Reaction and Structural Change in Lithium Transition Metal Nitride, Li7Mn 11 2966
Reaction at Platinum Electrodes Phosphorous Acid Impurities in Ph 12 3332
Reaction at Raney Nickel Electrodes in the Presence of Organic Compoun 4 975
Reaction at the H2-H2O Porous Pt/Stabilized Zirconia Interface 6 1674
Reaction for HF Solutions of Extremely Low Concentration 2 366
Reaction of Extremely Thin Co-Zr and Pd-Ta Layers with Si(100) 2 519
Reaction on Porous Lanthanum-Phosphate-Bonded Nickel Electrodes 5 1225
Reaction Study of Disilane Pyrolysis: Applications to Low Pressure Chemi 8 2135
Reactions Caused by Carrier Tunneling in Semiconductor Electrodes 12 3410
Reactions. Evolution of Ozone 10 2708
Reactions in Molten Carbonate Media. V. Electrochemical Analysis of the 5 1191
Reactions in the Nickel-Hydride Battery 9 2306
Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary Lithium Cells 8 2010
Reactions of LiCoO2 (R3m) for Four-Volt Secondary Lithium Cells 11 2972
Reactions of Tetrathiafulvalene in Ambient Temperature Chloroaluminate 7 1713
Reactions on Zn Using the Quartz Crystal Microbalance 10 2655
Reactions. Oxidation of Phenol and Benzene at Bismuth-Doped Lead Diox 12 3404
Reactive Deposition Rate of TiN Films at Low Nitrogen Content 1 L8
Reactive Elements on Scale Growth in High-Temperature Oxidation of Pur 7 1905
Reactive Element Effect on Beta-NiAl 9 2443
Reactive Facet Sputtering of SiO2 11 3151
Reactive Ion Etch Processes for Amorphous Silicon Thin-Film Transistors. 2 502
Reactive Ion Etching 10 2825
Reactive Ion Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC Sub 10 2915
Reactive Ion Etching of Boron Nitride Films 12 3456
Reactive Sputtered Oxide 8 2157
Reactivity at Solid-Gas and Solid-Liquid Interfaces 11 3278
Reactor Electrochemical Hydrogen Permea 7 1720
Reactor 11 3218
Reactor Growth Kinetics, Silicon Nucleation on Silicon Dioxide, and 11 3269
Reactor Mod 12 3462
Reactor A Monte Ca 2 496
Reactor Simultaneous Synthesis of Ozone a 5 1174
Reactor Design Configuration for Contamination Control and Improved Pe 8 2257
Reactor Model The Electroca 10 2742
Reactor. Simulation and Experiments Chemical Vapor Deposition of 3 824
Reactor Wall Surfaces by WF6 10 2884
Reactors Employing Vibrating Screen Electrodes 2 437
Real-Time Measurement of Uniformity for Plasma Etching 7 1893
Rechargeable "Rocking Chair" Type Batteries The Correlation Betw 3 603
Rechargeable Battery S 10 L135
Rechargeable Batteries 12 3291
Rechargeable LiAl/Li3.6Ge0.6V0.4O4/TiS2 High Temperature Solid-State 6 1418
Rechargeable Lithium Batteries 7 L76
Rechargeable Lithium Batteries A 5 1178
Rechargeable Lithium Battery Cathodes Electrochemical Properties 9 2326
Rechargeable Microbatteries 12 3296
Recombination at Semiconductor/Liquid Interfaces 5 1231
Recombination Centers in n-Type Silicon Wafers 6 1590
Recombination in Sealed Ni-Cd Cells with Fiber Substrates 10 2614
Reconstruction on an Au(100) Electrode 3 L30
Redox Behavior of Anthraquinone in Aqueous Medium 2 330
Redox Cyclability of a Self-Doped Polyaniline 3 L26
Redox Process of Poly(2-Naphthol) Film Using In Situ Multiple Internal Re 1 156
Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Secondary Lithium C 8 2010
Redox Reactions of LiCoO2 (R3m) for Four-Volt Secondary Lithium Cells 11 2972
Redox Switching Charge and I 1 35
Redox-Polymer Modified Electrodes. Effects of Dilute and Highly Resistiv 10 2722
Reduced Pressure in a Circular Impinging Jet Reactor. Simulation and Ex 3 824
Reduces Carbon to the Order of 10^14 per Cubic Centimeter 8 2216
Reducing Agent 3 730
Reducing Reflections in Multilayer Metal Lithographic Processes 5 1375
Reduction Analysis of Curr 12 3375
Reduction Design of Electrocatalyst for CO2 Reduction. V. Effect of 8 2054
Reduction Activity of Nano-Grained Thin-Film Platinum in Acid Media 2 425
Reduction at Etched n-Si/Pt Thin Film Electrodes 9 2402
Reduction at La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized Zirconia Interfac 8 2118
Reduction by Photoexcited Hydrogen in Si CVD with SiH2Cl2 9 2567
Reduction in Copper-Electroplating on Transparent Semiconductor Tin Ox 4 L38
Reduction in Electrical Stimulation of Neural Tissue 1 122
Reduction Mechanism at a Fully Immersed Gold Electrode Gas Ele 5 1191
Reduction of 1,3-Dihalopropanes at Carbon Cathodes in Dimethylformami 4 990
Reduction of 1,5-Dihalopentanes at Carbon Cathodes in Dimethylformami 12 3318
Reduction of a Gold Oxide Monolayer on Au(111) 5 1291
Reduction of a Porphyrin Thin-Film Electrode 7 1735
Reduction of Bromate at the Dropping Mercury Electrode in Alkaline Solut 5 1183
Reduction of Cobalt and Zinc Naphthalocyanine Thin Films 1 64
Reduction of Carbon Dioxide at Dual-Film Electrodes Modified With and 2 419
Reduction of Carbon Dioxide to Methanol Using ZnS Microcrystallite as a 6 1498
Reduction of CO2 on a Cu Electrode under High Pressure. Factors that D 8 2097
Reduction of Liquid CO2. Drastic Enhancement of Current Density 9 L130
Reduction of Oxides Formed on Copper at Elevated Temperatures 4 940
Reduction of the Oxide Film on Stainless Steel 1 L6
Reduction of Tungsten Hexafluoride Nucleation on SiO2 durin 12 3532
Reduction on Gas-Diffusion Electrodes for Phosphoric Acid Fuel Cells 11 3114
Reduction on Nickel Deposition from Unbuffered Aqueous Solutions I. De 8 2030
Reduction on Ruthenium-Oxide Pyrochlore Produced in a Proton-Exchang 4 L51
Reduction on Thin Porous Coating Rotating Disk Electrode 2 431
Reduction Performance of Platinum Ternary Alloy-Oxide in Solid-Polymer- 4 968
Reduction Reaction at Platinum Electrodes Phosphorous Acid Impu 12 3332
Reduction to Fuels and Chemicals 11 3119
Reduction. V. Effect of the Microcrystalline Structures of Cu-Sn and Cu-Z 8 2054
Reflection FTIR Spectroscopy Study of t 1 156
Reflection Infrared Spectroscopy Hydrogen Passivation of 11 3128
Reflections in Multilayer Metal Lithographic Processes 5 1375
Reflectivity Measurement of an Interface Layer Between a Low Temperat 5 1370

the Determination of the Crystallographic Orientation of GaSb by Optical
eposited Chromium-Aluminide Coatings. I. Definition of the Codeposition
wth Using Si2H6 and SiH2Cl2 Gases. Properties in the Low Temperature
idation of n-InP with Low Carrier Concentrations in the Negative Potential
AT and Related Melts A
alcium-Doped Lanthanum Chromites by Means of Electrical Conductivity
Kinetics of Roughness
of the Heterocomplexes in the Vapor of the Na-Sn-Br-I System and Their
ircuits
In Situ
Deposition Mechanism of a-SiC:H Films by Using Hexamethyldisilane in a
Generation Mechanism of Photoresist
e Ion Etching
Prevention of Resist Pattern Collapse by
Prevention of
Characterization Enhancements in
Chemically Amplified
RTA on the Conductivity of As-Implanted Layers and Metal to P+ Contact
Thermal Stability Limits of Thin TiSi2. Effect on Submicron Line
e Data Calculation of Noise
The Effect of Gas Ambient on the
Mg Content Dependence of the Electromigration
Ellipsometric Analysis of Growth Process and Corrosion
ents The Influence of Co Content on the Corrosion
Effect of Proton Diffusion, Electron Conductivity, and Charge-Transfer
Chemical Composition, Chemical States, and
17%Cr Alloy in Chloride-Containing Acid Solution
ance at Redox-Polymer Modified Electrodes. Effects of Dilute and Highly
The Formation of Boron-Doped Polycrystalline Si with Extremely Low
Diamond
nerators Chemically Amplified
n in Sulfuric Acid Solution Atomically
n of TiN Using Tetrakis(dimethylamido)-Titanium in an Electron Cyclotron
nd SiH4/N2 Flow Ratio of Silicon Nitride Deposited by Electron Cyclotron
Surface Damage on GaAs Etched Using a Multipolar Electron Cyclotron
Analysis of Nonexponential Transient
Impedance-Spectroscopy
Thermal Component of the Optical
Chromium-Free Etch for
te Melts
Observation of a Transient Structural Change during the
Partially Immersed Cylindrical Horizontally
of Iron in Alkaline Solutions Rotating
Prevention of Resist Pattern Collapse by Resist Heating during
Mass-Transport Enhancement by
and the Performance of Li-Carbon Intercalation Anodes for Rechargeable
Ambient Temperature Lithium Polymer
A 4 V Lithium Manganese Oxide Cathode for
ulfide Polluted Seawater The Conflicting
Measurement of Particle Emissions from Clean
f Moisture and Total Hydrocarbon Contributions by Valves Used in Clean
Stability and Electrochemistry of Lithium in
alladium and Adsorption of Palladium Chloride onto Solid Electrodes from
Deposition of Fluorinated a-SiC Films at
Reversible Lithium-Graphite Anodes in
Pulse Method
pregnated Pyrolyzed Cobalt Phthalocyanine A Correlative Study Between
-Agglomerate Model to Study Oxygen Reduction on Thin Porous Coating
Bulk Concentration in Lithium Carbonate
A Low-Noise Contact for
The Influence of Methanol on O2 Electroreduction at a
Oxidation of Iron in Alkaline Solutions
Kinetics of
A Novel Synthetic
Resistance Effect of Low Temperature (<900 C)
Substrate Doping and Microroughness Effects in
Synthesis and Characterization of
Anisotropic Etching of Silicon in
teristics of Thin Silicon Nitride Dielectric Films Deposited on Smooth and
Morphology of Ultrafine
Surface Characterization of
Preparation of Ultrafine
A Study of Bismuth
Oxygen Reduction on
Photoelectrochemical Properties of Anatase and

Reflectograms Chemical Etching Solution for 8 2220
Regimes Cod 6 1464
Region Synchrotron Radiation-Assisted Si Epitaxial Gro 6 1562
Region Study of the Ox 5 1161
Reinvestigation of the Electrochemical Behavior of Nb(V) in AlCl3-NaCl 7 1762
Relaxation Precise Determination of the Chemical Diffusion Coeffici 5 1268
Relaxation at Gold Electrodes 9 2291
Relaxation Phenomena in Lithium-Ion-Insertion Cells 4 982
Relevance for Metal Halide Lamps Study 10 2774
Reliability Implications of Lateral Alkali-Ion Migration in MOS Integrated C 11 3250
Remote H-Plasma Cleaning of Patterned Si-SiO2 Surfaces 11 3136
Remote H2 Plasma Preparation and 10 2910
Report of the Electrolytic Industries for the Year 1993 10 2918
Residue after Ashing 9 2487
Residue-Free Etching of the Al-Si-Cu Alloy Employing Magnetron Reactiv 10 2825
Resist Heating during Rinsing 12 L169
Resist Pattern Collapse by Resist Heating during Rinsing 12 L169
Resist Photospeed 4 1034
Resist Using Self-Solubility Acceleration Effect 11 3162
Resistance Effect of Low Temperature (<900 C) 8 2223
Resistance and Shallow Junction Leakage 5 1351
Resistance from Simultaneous Electrochemical Voltage and Current Nois 11 L155
Resistance of BF2+ Ion-Implanted Polycrystalline Diamond Film 1 291
Resistance of Fine-Grained Al-Si Alloys 10 2857
Resistance of Nb2O5 Films Formed by MOCVD 6 1669
Resistance of Sputter-Deposited TbFeCo Thin Films in Aqueous Environm 5 1199
Resistance on Nickel Hydroxide Discharge Curves 2 346
Resistance to Localized Corrosion of Passive Films on an Fe-17%Cr Alloy 1 111
Resistance to Pitting and Chemical Composition of Passive Films of a Fe- 10 2669
Resistive Bathing Electrolytes AC Impedi 10 2722
Resistivities at Low Temperatures 5 1334
Resistors Fabricated Monolithically on Diamond Film Substrate 12 3522
Resists Using 1,2-Naphthoquinone Diazide-4-Sulfonates as Photoacid Ge 11 3141
Resolved STM of Oxide Film Structures on Fe-Cr Alloys during Passivatio 12 L164
Resonance Plasma Proces Low Temperature Depositio 3 849
Resonance Plasmas Kinetics and Compositional Dependence on th 11 3234
Resonance Source 1 255
Response Due to a Constant-Phase Element 12 3423
Response of Aluminum-Copper-Silicon Alloys 12 3473
Response of Thin-Film High-Tc Superconductors 3 810
Revealing and Distinguishing Metal Contamination Defects in Silicon 10 2821
Reversible Lithium-Graphite Anodes in Room-Temperature Chloroalumina 3 L21
Reversible Reduction of a Porphyrin Thin-Film Electrode 7 1735
Revolving Electrodes for the Production of Conducting Polymers 1 147
Ring-Disk Electrode and Spectroelectrochemical Studies on the Oxidation 3 718
Rinsing 12 L169
Rising Bubble Curtains 10 2589
"Rocking Chair" Type Batteries The Correlation Between the Surfa 3 603
Rocking-Chair Batteries 6 1405
Rocking-Chair Lithium-Ion Cells 9 L106
Roles of Complexing Agents on the Corrosion of Copper-Nickel Alloys in S 6 1432
Room Gas-Handling Components 6 1649
Room Gas-Delivery Systems Measurement o 6 1653
Room Temperature Chloroaluminate Molten Salts 4 873
Room Temperature Molten Salts Electrodeposition of P 4 1000
Room Temperature 12 3562
Room-Temperature Chloroaluminate Melts 3 L21
Room-Temperature Coloration of Stainless Steel by Alternating Potential 3 648
Rotating Disk and Solid Polymer Electrolyte Fuel-Cell Electrodes El 1 41
Rotating Disk Electrode Application of the Flooded 2 431
Rotating Disk Studies in Molten Carbonates. I. Electrode Design 3 619
Rotating Disk Studies in Molten Carbonates. II. Meniscus and Film Effects 3 622
Rotating Disk Studies in Molten Carbonates. III. Diffusion Coefficient and 9 2338
Rotating Electrodes 9 L123
Rotating Pt Disk Electrode in Acid Electrolyte 7 1770
Rotating Ring-Disk Electrode and Spectroelectrochemical Studies on the 3 718
Roughness Relaxation at Gold Electrodes 9 2291
Route to Nb2O5 Thin Films for Electrochromic Devices 3 L29
RTA on the Conductivity of As-Implanted Layers and Metal to P+ Contact 8 2223
RTP Temperature Measurement by In Situ Ellipsometry 3 737
Ru-Ti4O7 Microelectrode Arrays 4 1014
Rubidium Hydroxide 9 2493
Rugged Polycrystalline Silicon after Rapid Thermal Nitridation Phys 4 1066
RuO2-IrO2 Binary Oxide Particles Prepared by a Sol-Gel Process 9 L118
RuO2-IrO2-TiO2 Coated Titanium Electrodes 3 643
RuO2-SnO2 Binary Oxide Particles by a Sol-Gel Process 5 1243
Ruthenate as an Electrocatalyst for Bifunctional Air Electrodes 10 2590
Ruthenium-Oxide Pyrochlore Produced in a Proton-Exchange Membrane 4 L51
Rutile Films Prepared by the Sol-Gel Method 3 660

— S —

ing Axial Oxygen Precipitation Uniformity in CZ Silicon Crystals Using the
Hydrofluoric Acid Etching of Silicon Dioxide
Hydrofluoric Acid Etching of Silicon Dioxide
Surface Related Phenomena in Integrated PECVD/Ozone-TEOS
ated Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron
Corrosion of Alpha-Al-Bronze in
ed Electroactive Film Prepared in an Imidazolium Chloroaluminate Molten
tribution in a Positive Current Collector of a Sodium-Selenium(IV) Molten
AC Impedance and Conductivity Study of Alkali
er Electrolytes Comprised of NBR/SBR Latex Films Swollen with Lithium
ic Liquid The Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molten
oth Electrodes and Solid Polymer Electrolytes Containing Alkylammonium
Palladium Chloride onto Solid Electrodes from Room Temperature Molten
ns of Tetrathiafulvalene in Ambient Temperature Chloroaluminate Molten
lectrochemistry of Lithium in Room Temperature Chloroaluminate Molten
cal Properties of Organic Liquid Electrolytes Based on Quaternary Onium
Mobility and Ionic Association of Lithium and Quaternary Ammonium
Epitaxial Growth of SiC on
Low Cost Schottky Barrier Solar Cells Fabricated on CdSe and
Preparation and Properties of
racteristics Electrochemical and Structural Properties of SnO2 and

S-Curve Concept Improv 1 173
Sacrificial Layers. I. Experimental Observations 1 264
Sacrificial Layers. II. Modeling 1 270
SACVD Processes for Sub-Half Micron Gap Fill. Electrostatic Effects 8 2172
Salen Complex Effects of Electrogener 11 3049
Saline Water 1 71
Salt A Silane-Bas 7 1709
Salt Battery Current Dis 9 2413
Salt Form Perfluorosulfonate Ionomer Membranes 2 448
Salt Solutions Ionic Conductivity of Dual-Phase Polym 6 1989
Salt System. Expansion of the Electrochemical Window on Proton Addition 3 L19
Salts Electric Double-Layer Capacitor Composed of Activated Carb 7 1730
Salts Electrodeposition of Palladium and Adsorption of 4 1000
Salts Heterogeneous and Homogeneous Electron Transfer Reactio 7 1713
Salts Stability and E 4 873
Salts for Electrical Double-Layer Capacitors Electrochemi 11 2969
Salts in Propylene Carbonate and Gamma-Butyrolactone 12 3336
Sapphire Substrates with an AlN Buffer Layer 2 510
Sb2S3 Films Chemically Deposited with Silicotungstic Acid 10 2871
Sb2S3 Thin Films for Photoelectrochemical Applications 7 1779
Sb:SnO2 Transparent Electrodes with Mixed Electronically Conductive an 9 L127

Cracking and Spalling of Oxide
Kinetics and Scale Morphology The Role of Reactive Elements on
idation of Pure Nickel, Iron, Cobalt and Copper. I. Oxidation Kinetics and
In Situ Monitoring of Electrode Surface Modification via Confocal
Deposition of Nickel Hydroxide Structures Using the
aqueous Solvents X-Ray Photoelectron Spectroscopy Analysis and
Large Area Photocurrent Behavior and Laser Spot
n of Oxygen Precipitates in CZ-Grown Si Wafers with a Phase Differential
f a Gold Oxide Monolayer on Au(111) In Situ
een Lithium Electrode and Electrolytes Containing Additives In Situ
Surface-Enhanced Raman
Effects of Deposition and Ion
cally Deposited with Silicotungstic Acid Low Cost
A New Hydrogen Sensor Using a Polycrystalline Diamond-Based
Mass-Transfer Behavior of Electrochemical Reactors Employing Vibrating
Oxygen Recombination in
exing Agents on the Corrosion of Copper-Nickel Alloys in Sulfide Polluted
on of Crystal Originated Defects in Czochralski Silicon Using Nonagitated
Surface Analysis of Si(111) Wafers Using
ide and Polypyrrole and Their Properties as an Active Material in Lithium
Novel Active Material for the Negative Electrode in Alkaline Nickel Oxide
Application of Solid Polymer Electrolyte to Lithium/Polypyrrole
Stabilized Alpha-Ni(OH)2 as Electrode Material for Alkaline
Cycloaliphatic Epoxide-Based Photocured Gelled Electrolytes for
Solid-State Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt
Solid-State Redox Reactions of LiCoO2 (R3m) for Four-Volt
Orthorhombic NaxMnO2 as a Cathode Material for
p-Surface Interaction
The Role of Induced Convection in Branched Electrodeposit Morphology
clic Method: A Thermodynamic Analysis
idic Method A Thermodynamic Analysis of
tion of Tungsten Hexafluoride Nucleation on SiO2 during the
ures
t Binding of Pd Catalysts to Ligating Self-Assembled Monolayer Films for
Selectivity Mechanisms in Low Pressure
eactor Growth Kinetics, Silicon Nucleation on Silicon Dioxide, and
Reaction and Film Properties of
The Development of an Anisotropic Si Etch Process
a Cu Electrode under High Pressure. Factors that Determine the Product
Laser-Enhanced Material
Films High
h
The Effects of Process-Induced Defects on the Chemical
Structural Properties and Growth Mechanism of Copper and Indium
anism of Copper and Indium Selenide Films Prepared by Electrochemical
on Covalent Binding of Pd Catalysts to Ligating
f Copper Against Corrosion A Chemical Modification of Alkanethiol
Redox Cyclability of a
Chemically Amplified Resist Using
eposition Fe Incorporation and Precipitation in
Spectral Behavior of Zero-Bias Photocurrent at Low Temperature in Bulk
trochemical Study of the Cross Effect Between Ion and Electron Flows in
the Electrical Effects Induced by Structural Imperfections on Metal Oxide
n to Kinetic Study on Electrode Reactions Caused by Carrier Tunneling in
Fast Electrochromic Switching with Nanocrystalline Oxide
lectrodes High Ammonia Sensitive
ration Lifetime in Trap-Rich and Layered Semiconductors by Metal Oxide
mperature Anneal on Electrical Stress-Generated Defects in Metal Oxide
ole of an Electrolysis Reduction in Copper-Electroplating on Transparent
oltage Data Solar Energy Conversion at the p-InP/Vanadium3+/2+
Open-Circuit Photovoltage and Charge Recombination at
Low Temperature Chlorine-Based Dry Etching of III-V
Determination of Generation Lifetime in Trap-Rich and Layered
Widegap Column-III Nitride
Effects of Na2CO3 Addition on the Gas
Tungsten/Tungsten Oxide pH
Fabricated by Sol-Gel Process Effect of Gas Diffusion Process on
terface Electrodes High Ammonia
Characteristics and Modeling of a Solid State Hydrogen
Grain-Size Effects in Tungsten Oxide-Based
Development of an Electrochemical Oxygen
A New Potential-Type Humidity
A New Hydrogen
Ion
Alkaline-Pretreated Aluminum Electrodes as pH
Effect of Gas Diffusion Process on Sensing Properties of SnO2 Thin Film
Capacitive-Type Humidity
High Ammonia Sensitive Semiconductor Gas
he Microelectronics Industry A Galvanic
rough Thin SiO2
Deep and
al Stability Limits of Thin TiSi2. Effect on Submicron Line Resistance and
Phosphorus Direct Doping from Vapor Phase into Silicon for
Thermal Stability of Cu/CoSi2 Contacted p+n
Deoxidation of Molten Metals by
Crystallinity and Photoluminescence in Stain-Etched Porous
-Induced Deposition of SiO2 Film from Tetraethoxysilane Spin-Coated on
Study of the Structure and Chemical Nature of Porous
echniques of the Interstitial Oxygen Concentrations in Medium-Resistivity
vation with Pyramidal Hillock and Reduction by Photoexcited Hydrogen in
ects on Deposition
w Temperature Region Synchrotron Radiation-Assisted
The Development of an Anisotropic
Effect of Ion Energy on the Diffusion of
rical Characteristics of Thin Oxides Grown by Rapid Thermal Oxidation of
Nulling Ellipsometry Examination of
efect States Effect of Plasma Etching Edge-Type Exposures on
Observation of Oxygen Precipitates in CZ-Grown
Mechanism of Metallic Particle Growth and Metal-Induced Pitting on
The Formation of Boron-Doped Polycrystalline

Scale from 304 Stainless Steel at High Temperatures 5 1255
Scale Growth in High-Temperature Oxidation of Pure Nickel, Iron, Cobalt 7 1905
Scale Morphology The Role of Reactive Elements on Scale Growth i 7 1905
Scanning Beam Laser Microscopy 11 L153
Scanning Electrochemical Microscope 4 995
Scanning Electron Microscopic Observation of the Lithium Surface Immer 9 2379
Scanning of Passivated Stainless Steels 2 362
Scanning Optical Microscope Observatio 9 L120
Scanning Tunneling Microscopy Studies of the Formation and Reduction o 5 1291
Scanning Vibrating Electrode Technique for the Characterization of Interf 12 L159
Scattering from Pyridine Adsorbed on Thin Layers of Stainless Steel 12 3312
Scattering on Profile Control in Submicron Oxide Etch 10 2904
Schottky Barrier Solar Cells Fabricated on CdSe and Sb2S3 Films Chemi 10 2871
Schottky Diode 8 2231
Screen Electrodes 2 437
Sealed Ni-Cd Cells with Fiber Substrates 10 2614
Seawater The Conflicting Roles of Compl 6 1432
Secco Etching Characterizati 11 3273
Second Harmonic Generation 11 3145
Secondary Batteries Electrochemical Synthesis of Composite Films 1 10
Secondary Batteries A 7 1740
Secondary Battery System 8 1994
Secondary Cells 11 2956
Secondary Lithium Battery Applications. Electrochemical Kinetic Studies 6 1414
Secondary Lithium Cells 8 2010
Secondary Lithium Cells 11 2972
Secondary Sodium and Lithium Polymer Batteries 11 L145
Selected Dissolution of Aluminum Initiated by Atomic Force Microscope Ti 4 L43
Selection 5 1206
Selective Area Chemical Vapor Deposition of Silicon by the Alternating Cy 2 593
Selective Area CVD of Titanium Nitride Compounds by the Alternating Cy 4 1086
Selective Chemical Vapor Deposition of Tungsten by the Hydrogen Reduc 12 3532
Selective Electrodeposition of Catalyst Within Membrane-Electrode Struct 1 46
Selective Electroless Metal Deposition Covalen 1 210
Selective Epitaxial Silicon Growth 4 1046
Selective Epitaxy Using Disilane and Hydrogen in an Ultrahigh Vacuum R 11 3269
Selective Titanium Silicide Low-Pressure Chemical Vapor Deposition 7 1879
Selective to GexSi1-x Underlayers 2 507
Selectivity Electrochemical Reduction of CO2 on 8 2097
Selectivity in N-GaAs/N-Al0.4Ga0.6As Heterostructures 10 2893
Selectivity Magnetically Enhanced Reactive Ion Etching of Boron Nitride 12 3456
Selectivity Mechanisms in Low Pressure Selective Epitaxial Silicon Growt 4 1046
Selectivity of Highly Doped Boron Etch Stops in Silicon 1 178
Selenide Films Prepared by Electrochemical Selenization of Metal Layers 6 1566
Selenization of Metal Layers Structural Properties and Growth Mec 6 1566
Self-Assembled Monolayer Films for Selective Electroless Metal Depositi 1 210
Self-Assembled Monolayers with Alkyltrichlorosilanes for the Protection o 8 2018
Self-Doped Polyaniline 3 L26
Self-Solubility Acceleration Effect 11 3162
Semi-Insulating Fe-Doped InP Grown by Metalorganic Chemical Vapor D 1 242
Semi-Insulating GaAs:Cr 9 2533
Semiconducting CoO Elec 10 2789
Semiconductor Capacitors Numerical Calculations of 6 1621
Semiconductor Electrodes Electroluminescence Transient and Its 12 3410
Semiconductor Films 7 L82
Semiconductor Gas Sensors with Double-Layer Structure and Interface E 4 1028
Semiconductor Measurements Determination of Gene 8 2151
Semiconductor Structures The Effect of High Te 8 2140
Semiconductor Tin Oxide The R 4 L38
Semiconductor/Electrolyte Contact. A Study Based on Differential Capac 8 2040
Semiconductor/Liquid Interfaces 5 1231
Semiconductors 8 2250
Semiconductors by Metal Oxide Semiconductor Measurements 8 2151
Semiconductors for UV/Blue Light Emitting Devices 8 2266
Sensing Characteristics of CuO/ZnO Heterocontact 5 L53
Sensing Electrode for High Temperature Aqueous Environments 11 3002
Sensing Properties of SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Buil 1 220
Sensitive Semiconductor Gas Sensors with Double-Layer Structure and In 4 1028
Sensor 2 461
Sensor for Nitrogen Oxides 8 2207
Sensor for Czochralski Silicon Melts 9 2564
Sensor Using EMD-Based Manganese Oxides as a Solid Electrolyte 4 L35
Sensor Using a Polycrystalline Diamond-Based Schottky Diode 8 2231
Sensor with Photocurable Polyurethane Polymer Membrane 9 L111
Sensors 5 1142
Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by Sol-Gel Proc 1 220
Sensors Using Polymerized Vinyl Carboxylate 3 614
Sensors with Double-Layer Structure and Interface Electrodes 4 1028
Series for Thin-Film Metallizations and Barrier Layers Commonly Used in t 3 807
Shallow Boron-Doped Layer Formation by Boron Diffusion from Poly-Si Th 6 1702
Shallow Electron Trapping in the Buried Oxide Layer of SIMOX Structures 10 2801
Shallow Junction Leakage Therm 5 1351
Shallow Junctions 8 2241
Shallow Junction with and without TiW Diffusion Barrier 10 2804
Shallow n+ Junctions in Silicon by Arsenic Gas-Phase Doping 5 1378
Shape Formation of Electrodeposited Gold Bumps 6 1644
Short Circuiting Yttria-Stabilized Zirconia Electrolyte Cell 2 467
Si 3 674
Si Ultraviolet 6 1556
Si and Siloxene by STM, AFM, XPS, and LIMA 2 402
Si Crystals Accurate Evaluation T 5 1362
Si CVD with SiH2Cl2 Growth Defect Obser 9 2567
Si Deposition from Chlorosilanes. I. Deposition Modeling 8 2072
Si Deposition from Chlorosilanes. II. Numerical Analysis of Thermofluid Eff 8 2078
Si Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases. Properties in the Lo 6 1562
Si Etch Process Selective to GexSi1-x Underlayers 2 507
Si Implanted into GaAs 8 2245
Si in N2O Effects of Oxide Thickness and Oxidation Parameters on 11 3222
Si Substrate Surface after Different Chemical Pretreatments by Means of 2 554
Si Substrates: A Correlation Between Carrier Lifetime and Etch-Induced D 11 3230
Si Wafers with a Phase Differential Scanning Optical Microscope 9 L120
Si Wafer Surface in Wet Chemical Processing 10 2834
Si with Extremely Low Resistivities at Low Temperatures 5 1334

ocal-Plane Array Applications CdZnTe on
The Reaction of Extremely Thin Co-Zr and Pd-Ta Layers with
Growth Rate of Metalorganic Chemical Vapor Deposited Ta2O5 Films on
Atomic Force Microcopy Observation of
Surface Electronic Properties of Electrolytically Hydrogen Terminated
Surface Analysis of
Array Applications CdZnTe on Si(001) and
Characterization of
In Situ Remote H-Plasma Cleaning of Patterned
iH4, GeH4, and B2H6 on the Nucleation and Deposition of Polycrystalline
tu Phosphorus-Doped Amorphous Silicon Films Deposited by Pyrolysis of
Synchrotron Radiation-Assisted Si Epitaxial Growth Using
ometric and Kinetic Study of Low-Pressure Chemical Vapor Deposition of
An Isoplanar Isolation Technology for
Thermal Oxidation of
Epitaxial Growth of
d Postgrowth from Silacyclobutane
ective Ion Etch Processes for Amorphous Silicon Thin-Film Transistors.
Fabrication of Vertical
yramidal Hillock and Reduction by Photoexcited Hydrogen in Si CVD with
dy of Low-Pressure Chemical Vapor Deposition of Si3N4 Thin Films from
Synchrotron Radiation-Assisted Si Epitaxial Growth Using Si2H6 and
e Si1-xGex Films Effects of
Kinetics and Compositional Dependence on the Microwave Power and
lator Structures by Direct Carbonization Conversion and Postgrowth from
Carbide Grown by Chemical Vapor Deposition on Titanium Carbide Using
Metal Impurity Evaluation in
ate Molten Salt A
nd Ellipsometry
tion/Desorption Behavior of Cu Chemical Vapor Deposition Precursors on
tion/Desorption Behavior of Cu Chemical Vapor Deposition Precursors on
Buried Cobalt
Reaction and Film Properties of Selective Titanium
Metal-Oxide-Semiconductor Capacitance Measurements on Amorphous
Thermally Deposited Amorphous
Underlying SiO2 Layer on the Lateral Solid-Phase Epitaxy of Amorphous
Enhanced Diffusion of Boron and Phosphorus in Heavily Doped Layers in
Carbon, and Oxygen Implantation Damage on Diffusion of Phosphorus in
Defects on the Chemical Selectivity of Highly Doped Boron Etch Stops in
pendence of Electrical Dopant Activation in High-Dose BF2 Ion Implanted
mpact of Sonication on the Structure and Properties of Stain-Etch Porous
ree Etch for Revealing and Distinguishing Metal Contamination Defects in
d by Anomalous Oxidation of BF2 Ion Implanted MoSi2 on Polycrystalline
Fluorine-Enhanced Boron Migration into Oxide from Underlying
tion and Crystallization Characteristics of Phosphorus-Doped Amorphous
Fabrication of Vertical Sidewalls by Anisotropic Etching of
Electrochemical Smoothing of
Nitride Dielectric Films Deposited on Smooth and Rugged Polycrystalline
The Profile of Electrically Active Phosphorus in
The Electrochemical Oxidation of
try Measurement on Low Pressure Chemical Vapor Deposited Amorphous
An Investigation of Phosphorus Transient Diffusion in
Rapid Thermal Annealing in Advanced
Shallow n+ Junctions in
Defects Induced in p-Type
Selective Area Chemical Vapor Deposition of
Using Silane and Ethylene Morphological Structure of
Tetrachloride, and Silicon Tetrachloride Morphological Structure of
Contamination Determination for
orus in Silicon Effects of Low Dose
Source/Drain Dislocations and Electrical Leakage in Titanium-Salicided
time Measurements Rapid Thermal Annealing of p-Type
Buried Cobalt Silicide Layers in
Improving Axial Oxygen Precipitation Uniformity in CZ
Photoluminescence Measurement of Carbon in
Hydrofluoric Acid Etching of
Hydrofluoric Acid Etching of
! Vapor Deposition Reactor Growth Kinetics, Silicon Nucleation on
Modeling of CVD of
ct Based Two-Dimensional Model of the Evolution of Dislocation Loops in
Morphology Change of Oxide Precipitates in CZ
flectivity Measurement of an Interface Layer Between a Low Temperature
eposition The Kinetics of Very Low Temperature (300 C)
during Low Temperature Chemical Vapor Deposition Growth of Epitaxial
Nucleation of In Situ Phosphorus-Doped Amorphous
Phosphorus Direct Doping from Vapor Phase into
Electrical Charge and HF Concentration Effect on Porous
eactor. Simulation and Experiments Chemical Vapor Deposition of
Selectivity Mechanisms in Low Pressure Selective Epitaxial
er Cubic Centimeter A Czochralski
Extrinsic Conditions for Low Temperature
The Electrochemical Oxidation of Silicon and Formation of Porous
Electrical Properties of Thin Anodic Oxides Formed on
cterization of the Electropolishing Layer during Anodic Etching of p-Type
On the Electrical Impedance Due to the Anodic Dissolution of
Electroluminescence and Chemiluminescence of Porous
Anisotropic Etching of
Development of an Electrochemical Oxygen Sensor for Czochralski
mical Vapor Deposition C-V Characteristics of Amorphous
Thermal Nitridation Physical and Electrical Characteristics of Thin
Hydrogen Bonding Characteristics on the Corrosion of Plasma-Deposited
Spectroscopic Ellipsometry Investigation of Amorphous
sitional Dependence on the Microwave Power and SiH4/N2 Flow Ratio of
apid Thermal Chemical Vapor Deposition Reactor Growth Kinetics,
terial and Etching Parameters Morphology of Porous n-Type
sor Growth Rate and Characterization of
Positive Charge Induced by Inorganic Spin-On-Glass. Influence of
The Initial Growth Mechanism of
ayer Between a Low Temperature Silicon Epitaxial Layer and HF-Treated
rization and Elimination of Defects in Oxide Layers Grown on Czochralski
rmination of Sub-Parts per Billion Boron Contamination in N+ Czochralski
Characterization of Spontaneously Bonded Hydrophobic
troscopy Hydrogen Passivation of HF-Last Cleaned (100)

Si(001) and Si(112): Direct MBE Growth for Large-Area HgCdTe Infrared F 10 2888
Si(100) 2 519
Si(100) Ellipsometric Examination of Structure and 3 853
Si(100) Surface after Hydrogen Annealing 11 3259
Si(111) 12 3595
Si(111) Wafers Using Second Harmonic Generation 11 3145
Si(112): Direct MBE Growth for Large-Area HgCdTe Infrared Focal-Plane 10 2888
Si-Si Bonding by Wright Etching 3 796
Si-SiO2 Surfaces 11 3136
Si1-xGex Films Effects of S 9 2559
Si2H6 and PH3 Nucleation of In Si 5 1365
Si2H6 and SiH2Cl2 Gases. Properties in the Low Temperature Region 6 1562
Si3N4 Thin Films from SiH2Cl2 and NH3 Mass Spectr 12 3505
SiC Devices Using Local Oxidation 6 2188
SiC in N2O 11 L150
SiC on Sapphire Substrates with an AlN Buffer Layer 2 510
SiC Silicon-On-Insulator Structures by Direct Carbonization Conversion an 6 L86
SiCl4 Based Chemistry R 2 502
Sidewalls by Anisotropic Etching of Silicon (100) Wafers 11 3182
SiH2Cl2 Growth Defect Observation with P 9 2557
SiH2Cl2 and NH3 Mass Spectrometric and Kinetic Stu 12 3505
SiH2Cl2 Gases. Properties in the Low Temperature Region 6 1562
SiH4, GeH4, and B2H6 on the Nucleation and Deposition of Polycrystallin 9 2559
SiH4/N2 Flow Ratio of Silicon Nitride Deposited by Electron Cyclotron Res 11 3234
Silacyclobutane SiC Silicon-On-Insu 6 L86
Silane and Ethylene Morphological Structure of Silicon 3 765
Silane Gas from the Qualification of Poly-Si Layers 1 274
Silane-Based Electroactive Film Prepared in an Imidazolium Chloroalumin 7 1709
Silica Films on Silicon. Thickness Measurement by Electron Microscopy a 7 1832
Silica. III. FTIR Studies of the Adsorp 12 3539
Silica. IV. FTIR Studies of the Adsorp 12 3547
Silicide Layers in Silicon Created by Wafer Bonding 10 2829
Silicide Low-Pressure Chemical Vapor Deposition 7 1879
Silicon 9 2474
Silicon 8 2166
Silicon Influence of the Existence of an 1 186
Silicon Oxidation- 4 1074
Silicon Effects of Low Dose Silicon, 12 3516
Silicon The Effects of Process-Induced 1 178
Silicon The Annealing Time and Temperature De 11 3158
Silicon The I 12 L166
Silicon Chromium-F 10 2821
Silicon Gate Oxide Degradation Cause 9 2552
Silicon 5 1381
Silicon "Slit Nano Wire" Nucleа 5 1392
Silicon (100) Wafers 11 3182
Silicon (111) 8 L99
Silicon after Rapid Thermal Nitridation Physical and Electrical Char 4 1066
Silicon after Thermal Oxidation 12 3580
Silicon and Formation of Porous Silicon in Acetonitrile 4 1006
Silicon and Polysilicon Multiple-Angle Incident Ellipsome 8 2146
Silicon below the Solid Solubility Limit and at a Low Implant Energy 8 2182
Silicon Bipolar Technology 6 1663
Silicon by Arsenic Gas-Phase Doping 5 1378
Silicon by Photocathodic Charging of Hydrogen 6 1539
Silicon by the Alternating Cyclic Method: A Thermodynamic Analysis 2 593
Silicon Carbide Grown by Chemical Vapor Deposition on Titanium Carbide 3 765
Silicon Carbide, Chemically Vapor Deposited on Titanium Carbide Using 3 771
Silicon Carbide Cantilever Forks in Diffusion Furnaces 5 1304
Silicon, Carbon, and Oxygen Implantation Damage on Diffusion of Phosph 12 3516
Silicon CMOS Integrated Circuits 7 1957
Silicon. Correlation Between Deep-Level Transient Spectroscopy and Life 3 754
Silicon Created by Wafer Bonding 10 2829
Silicon Crystals Using the S-Curve Concept 1 173
Silicon Crystals Irradiated with High Energy Electrons 12 3576
Silicon Dioxide Sacrificial Layers. I. Experimental Observations 1 264
Silicon Dioxide Sacrificial Layers. II. Modeling 1 270
Silicon Dioxide, and Selective Epitaxy Using Disilane and Hydrogen in an 11 3269
Silicon Dioxide Using TEOS and Ozone in a Single-Wafer Reactor 12 3452
Silicon during Oxidation A Point Defe 3 759
Silicon during Two-Step Annealing 12 3588
Silicon Epitaxial Layer and HF-Treated Silicon Substrate X-Ray Re 5 1370
Silicon Epitaxial Growth by Confined Plasma Enhanced Chemical Vapor D 12 3584
Silicon Films Oxygen Incorporation 5 1284
Silicon Films Deposited by Pyrolysis of Si2H6 and PH3 5 1365
Silicon for Shallow Junctions 8 2241
Silicon Formation 3 689
Silicon from Disilane under Reduced Pressure in a Circular Impinging Jet 3 824
Silicon Growth 4 1046
Silicon Growth Technique Which Reduces Carbon to the Order of 10^14 p 8 2216
Silicon Homoepitaxy 9 2470
Silicon in Acetonitrile 4 1006
Silicon in Aqueous NH4OH Solutions 5 1309
Silicon in Aqueous HF Solutions Chara 8 2049
Silicon in HF Solutions 3 697
Silicon in Nonaqueous Solution 5 1157
Silicon in Rubidium Hydroxide 9 2493
Silicon Melts 9 2564
Silicon Nitride Films Prepared by Hydrogen Radical-Assisted Plasma Che 3 742
Silicon Nitride Dielectric Films Deposited on Smooth and Rugged Polycrys 4 1066
Silicon Nitride Films Effect of 7 1938
Silicon Nitride Thin Films 9 2483
Silicon Nitride Deposited by Electron Cyclotron Resonance Plasmas 11 3234
Silicon Nucleation on Silicon Dioxide, and Selective Epitaxy Using Disilan 11 3269
Silicon Obtained by Photoelectrochemical Etching. I. Correlations with Ma 4 958
Silicon Oxide Films Grown in N2O Atmosphere in a Rapid Thermal Proces 1 259
Silicon Oxide with High Yield of Water Absorption 6 1628
Silicon Oxide by Liquid-Phase Deposition 11 3214
Silicon Substrate X-Ray Reflectivity Measurement of an Interface L 5 1370
Silicon Substrates Characte 9 2460
Silicon Substrates by SIMS Dete 12 3453
Silicon Surfaces 2 562
Silicon Surfaces Investigated by Multiple Internal Reflection Infrared Spec 11 3128

eposited on Titanium Carbide Using Ethylene, Carbon Tetrachloride, and
Silica Films on
Reactive Ion Etch Processes for Amorphous
Light Emission from Porous
Characterization of Crystal Originated Defects in Czochralski
Wavelength Considerations for Improved
Horizontal Furnaces In Situ Observation System for
Lifetime Study of Metastable Surface Recombination Centers in n-Type
Particle Deposition on
Warpage and Oxygen Precipitate Distributions in CZ
tion Prevention of Microroughness Generation on the
Chemically Assisted Ion Beam Etching for
namic and Experimental Study of the Chemical Vapor Codeposition in the
nd Properties of Low-Pressure Chemical-Vapor Deposited Polycrystalline
Postgrowth from Silacyclobutane SiC
The Perspectives of
merits Deconvolution of the Impedance of the
nodization. A Promising Mechanism for Minimizing Interface States in the
lar Cells Fabricated on CdSe and Sb2S3 Films Chemically Deposited with
pt of Surface Gettering Optimization of Ultrathin Gate Oxide in a
Study of the Structure and Chemical Nature of Porous Si and
In Situ Atomic Force Microscopy Study of the Plating and Stripping of
Properties of
The Dissolution Behavior of
fects of Organic Adsorbates on the Underpotential and Bulk Deposition of
n Complex Effects of Electrogenerated
Formation of a
Deep and Shallow Electron Trapping in the Buried Oxide Layer of
A
per Billion Boron Contamination in N+ Czochralski Silicon Substrates by
om Disilane under Reduced Pressure in a Circular Impinging Jet Reactor.
Subetrate Chemical Vapor Deposition
ctor A Monte Carlo
Calculation of Noise Resistance from
change-Membrane Electrochemical Reactor
Formation by Doping Chemical-Vapor-Deposition Aluminum with Copper
Prediction of Ion Energy and Angular Distributions in
XPS and STM Investigation of the Passive Film Formed on Cr(110)
ic System The
Modeling of CVD of Silicon Dioxide Using TEOS and Ozone in a
Photovoltaic Properties of
Thin Film Transistors with Graded
Reactive Facet Sputtering of
ron-Doped Layer Formation by Boron Diffusion from Poly-Si Through Thin
posites Effect of
Kinetics of
Hydrogen Reduction of Tungsten Hexafluoride Nucleation on
A Study of the Dissociation State and the
Ultraviolet-Induced Deposition of
The Etching Mechanisms of
Influence of the Existence of an Underlying
High Temperature Deposition of
The Physicochemical Properties and Growth Mechanism of Oxide
Diffusion Process on Sensing Properties of SnO2 Thin Film Sensors in a
in
m Use of In
Use of In
ping and Microroughness Effects in RTP Temperature Measurement by In
On-Line Inference of Plasma Etch Uniformity Using In
anide Electrolyte Interface In
A New Global Planarization Technique Utilizing In
eam Laser Microscopy In
l Microbalance In
Film on Stainless Steel In
Study of the Redox Process of Poly(2-Naphthol) Film Using In
nsertion/Withdrawal into/from Horizontal Furnaces In
f Si2H6 and PH3 Nucleation of In
in
etween Lithium Electrode and Electrolytes Containing Additives In
on of a Gold Oxide Monolayer on Au(111) In
ctrode Electrochemical and In
mensional Changes and Optical Properties of Polyaniline Measured by In
y of Electrochemically Grown Oxide Films on AlCr Sputtered Alloys. II. In
of the Copper-Monolayer/Platinum-Electrode Interface as Measured by In
nd Electronic State of Various Pt Particles on Carbon Electrode In
d Crystallization Characteristics of Phosphorus-Doped Amorphous Silicon
Effect of Copper Ions in the
trical Characteristics of Thin Silicon Nitride Dielectric Films Deposited on
Electrochemical
ns Electrochemistry and Passivity of Ti-15 V-3 Cr-3 Al-3
torage Characteristics Electrochemical and Structural Properties of
Electrical and Microstructural Studies of
l Process Effect of Gas Diffusion Process on Sensing Properties of
Orthorhombic NaxMnO2 as a Cathode Material for Secondary
Electrodeposition of Copper Oxide from the Eutectic
Electrodeposition of Mixed Metal Oxides from the Eutectic
Current Distribution in a Positive Current Collector of a
toelectrochemical Properties of Anatase and Rutile Films Prepared by the
Morphology of Ultrafine RuO2-IrO2 Binary Oxide Particles Prepared by a
O2 Thin Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by
Preparation of Ultrafine RuO2-SnO2 Binary Oxide Particles by a
Electrochromism of Niobium Oxide Thin Films Prepared by the
tages of Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon Junction
The Effect of Aluminum Thickness on
th Silicotungstic Acid Low Cost Schottky Barrier
um Particles and Its Application to n-Si for Efficient Photoelectrochemical
um Particles Efficient Photoelectrochemical
Photovoltaic Properties of Sintered CdS/CdTe
tudy Based on Differential Capacitance and Current-Voltage Data
tential-Type Humidity Sensor Using EMD-Based Manganese Oxides as a

Silicon Tetrachloride Morphological Structure of Silicon Carbide, C 3 771
Silicon. Thickness Measurement by Electron Microscopy and Ellipsometry 7 1832
Silicon Thin-Film Transistors. SiCl4 Based Chemistry 2 502
Silicon under Photo- and Electroexcitation 11 3071
Silicon Using Nonagitated Secco Etching 11 3273
Silicon Wafer Temperature Measurement by Ellipsometry 2 539
Silicon Wafer Transient Deformation during Insertion/Withdrawal into/from 5 1299
Silicon Wafers 6 1590
Silicon Wafers during Wet Cleaning Processes 6 1684
Silicon Wafers 7 1656
Silicon Wafer Etching by Transmitted Electron-Beam-Enhanced Plasma 9 2541
Silicon Wafer Surface in Buffered Hydrogen Fluoride by a Surfactant Addi 10 2899
Silicon-Based Microfabrication 6 1585
Silicon-Boron-Carbon System at 1400 K Thermody 2 452
Silicon-Germanium Films Deposition a 8 2235
Silicon-On-Insulator Devices for High Voltage and Power IC Applications 7 1983
Silicon-On-Insulator Structures by Direct Carbonization Conversion and 6 L66
Silicon-On-Insulator Technologies for Cryogenic Applications 9 2522
Silicon/Electrolyte Interface by Potential Modulated-Microwave-Measure 12 L171
Silicon/Silicon-Oxide System of an Anodic Oxide Film Modified Co 8 2227
Silicotungstic Acid Low Cost Schottky Barrier So 10 2871
SILO/RTN Isolation Process for Advanced ULSI. Introducing a New Conce 10 2811
Siloxene by STM, AFM, XPS, and LIMA 2 402
Silver 1 116
Silver Films Sputter-Deposited on Biased Substrates 6 1691
Silver in Ammoniacal Solutions with Cupric Ammine 1 91
Silver on Polycrystalline Platinum Electrodes The Ef 12 3304
Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Sale 11 3049
Silver-Rich Surface Layer on Electrodeposited CdTe 2 529
SIMOX Structures 10 2801
Simple Method to Control Bipolar Polysilicon Emitter Interfacial Oxide 11 3167
SIMS Determination of Sub-Parts 12 3453
Simulation and Optimization of the Dual Lithium Ion Insertion Cell 1 1
Simulation and Experiments Chemical Vapor Deposition of Silicon f 3 824
Simulation of Rarefied Gas Transport and Profile Evolution in Nonplanar 9 2545
Simulation Study of Radiation Heat Transfer in the Multiwafer LPCVD Rea 2 496
Simultaneous Electrochemical Voltage and Current Noise Data 11 L155
Simultaneous Synthesis of Ozone and Hydrogen Peroxide in a Proton-Ex 5 1174
Simultaneously: Al-Cu CVD Interconnection 12 3494
Single and Dual Frequency Plasmas 5 1313
Single-Crystal Surfaces 11 3016
Single-Electrode Peltier Heats of Li-Al Alloy Electrodes in LiCl-KCl Eutect 11 3096
Single-Wafer Reactor 12 3462
Sintered CdS/CdTe Solar Cells with an Indium-Tin-Oxide Electrode 12 3572
SiNx Gate Dielectrics 4 1061
SiO2 11 3151
SiO2 Shallow Bo 6 1702
SiO2 Colloid on the Electrodeposition of Zinc-Iron Group Metal Alloy Com 4 954
SiO2 Deposition from Tetraethylorthosilicate 7 1943
SiO2 during the Selective Chemical Vapor Deposition of Tungsten by the 12 3532
SiO2 Etching Reaction for HF Solutions of Extremely Low Concentration 2 366
SiO2 Film from Tetraethoxysilane Spin-Coated on Si 6 1556
SiO2 in Hydrofluoric Acid 10 2852
SiO2 Layer on the Lateral Solid-Phase Epitaxy of Amorphous Silicon 1 188
SiO2 on Hot Wires by Decomposition of Tetraethoxysilane 2 514
(SiO2-xFx) by Liquid Phase Deposition with H2O Addition Only 11 3177
SiO2/SnO2 Layer-Built Structure Fabricated by Sol-Gel Process Eff 1 220
Situ Atomic Force Microscopy Study of the Plating and Stripping of Silver 1 116
Situ Atomic Force Microscopy to Image Copper Electrodeposits on Platinu 5 1166
Situ Atomic Force Microscopy to Image Corrosion at Inclusions 6 1439
Situ Ellipsometry Substrate Do 3 737
Situ Ellipsometry 5 1387
Situ FTIR-ATR Study of p-Silicon Photoelectrode/Potassium Ferri-Ferrocy 12 3369
Situ Isotropic Photoresist Mask Erosion 1 251
Situ Monitoring of Electrode Surface Modification via Confocal Scanning B 11 L153
Situ Monitoring of Phosphatation Reactions on Zn Using the Quartz Crysta 10 2655
Situ Multielement XANES Study of Formation and Reduction of the Oxide 1 L6
Situ Multiple Internal Reflection FTIR Spectroscopy 1 156
Situ Observation System for Silicon Wafer Transient Deformation during I 5 1299
Situ Phosphorus-Doped Amorphous Silicon Films Deposited by Pyrolysis o 5 1365
Situ Remote H-Plasma Cleaning of Patterned Si-SiO2 Surfaces 11 3136
Situ Scanning Vibrating Electrode Technique for the Characterization of In 12 L159
Situ Scanning Tunneling Microscopy Studies of the Formation and Reducti 5 1291
Situ Spectroelectrochemical Study on Polypyrrole/Disulfide Composite Ele 4 L49
Situ Spectroscopic Ellipsometry Nanoscale Di 4 859
Situ Studies X-Ray Absorption Stud 1 83
Situ X-Ray Absorption Spectroscopy Structure 9 2369
Situ X-Ray Absorption on Fine Structure Study on Structure Transformatio 9 2516
"Slit Nano Wire" Nucleation an 5 1392
Slurry on the Chemical-Mechanical Polish Rate of Titanium 12 3512
Smooth and Rugged Polycrystalline Silicon after Rapid Thermal Nitridatio 4 1066
Smoothing of Silicon (111) 8 L99
Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Chloride Solutio 10 2633
SnO2 and Sb:SnO2 Transparent Electrodes with Mixed Electronically Con 9 L127
SnO2 Ceramics Obtained by Tin Sulfate Pyrolysis 11 3254
SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated 1 220
Sodium and Lithium Polymer Batteries 11 L145
Sodium-Potassium Nitrate Melt 2 388
Sodium-Potassium Nitrate Melt 2 392
Sodium-Selenium(IV) Molten Salt Battery 9 2413
Sol-Gel Method Pho 3 660
Sol-Gel Process 9 L118
Sol-Gel Process Effect of Gas Diffusion Process on Sensing Proper 1 220
Sol-Gel Process 5 1243
Sol-Gel Process 9 2439
Solar Cells on Spray Solvents Dependence of Photovol 5 1357
Solar Cell Performance 6 1577
Solar Cells Fabricated on CdSe and Sb2S3 Films Chemically Deposited wi 10 2871
Solar Cells Preparation of a Langmuir-Blodgett Layer of Ultrafine Pt 11 3077
Solar Cells Equipped with an n-Si Electrode Modified with Colloidal Platin 11 3090
Solar Cells with an Indium-Tin-Oxide Electrode 12 3572
Solar Energy Conversion at the p-InP/Vanadium3+/2+ Semiconductor/Elec 8 2040
Solid Electrolyte A New Po 4 L35

Electrodeposition of Palladium and Adsorption of Palladium Chloride onto
rformance Catalyzed-Reaction Layer for Medium Temperature Operating
silicon High Performance
Physical Properties of Mixed Conductor
Low Temperature Operation of
ed Cobalt Phthalocyanine A Correlative Study Between Rotating Disk and
yer Capacitor Composed of Activated Carbon Fiber Cloth Electrodes and
m Application of
logens as Microscopic Phase-Transfer Mediators Application of the
Lithium Ion Conductivity of A-Site Deficient Perovskite
Microellipsometric Study of the Passive Film Formation on Al-Ta Alloys. I.
An Investigation of Phosphorus Transient Diffusion in Silicon below the
Electronic Conductivity of In2O3
Characteristics and Modeling of a
Passivity Breakdown on
Correlations of Atomic Structure and Reactivity at
Correlations of Atomic Structure and Reactivity at Solid-Gas and
Electroless Deposition of Electrodes in
Influence of the Existence of an Underlying SiO2 Layer on the Lateral
Life Tests of Carbon-Supported Pt-Cr-Cu Electrocatalysts in
talytic Oxygen Reduction Performance of Platinum Ternary Alloy-Oxide in
The Rechargeable LiAl/Li3.6Ge0.6V0.4O4/TiS2 High Temperature
rolyte/V2O5 Structures Optimization Study of
New Thin-Layer
ry Lithium Cells
hium Cells
Investigation of Phosphorus Transient Diffusion in Silicon below the Solid
Enhanced Diffusion of Dopants at Concentrations near the
owder Morphologies on the Cementation Rate of Copper in Alkaline Zinc
s of Dezincification of Freshly Generated Brass Surfaces in Sulfuric Acid
Hydrous Oxide Formation on Platinum in Phosphoric Acid
vement by Adding a Phosphonic Acid Chelating Agent into NH4OH-H2O2
Oxide Film Structures on Fe-Cr Alloys during Passivation in Sulfuric Acid
osition of Passive Films of a Fe-17%Cr Alloy in Chloride-Containing Acid
MoO3.nH2O Electrochromic Films Fabricated from Peroxo-Polymolybdate
C Impedance Studies of Highly Oriented Pyrolytic Graphite in 1 M NaOH
oluminescence and Chemiluminescence of Porous Silicon in Nonaqueous
llipsometric Study of the Passive Film Formation on Al-Ta Alloys. I. Solid
by Optical Reflectograms Chemical Etching
Lithium Ion Conductivity of A-Site Deficient Perovskite Solid
oron Films The Effect of
Chemical Attack on Polypyrrole by Electrolytically Generated
llographic Structure of Zinc Foils Electrodeposited from Acid Zinc Sulfate
Chloride Electrolyte at a Graphite Electrode in Weakly Acidic and Neutral
The Surface Chemistry of Lithium Electrodes in Alkyl Carbonate
tropolishing Layer during Anodic Etching of p-Type Silicon in Aqueous HF
Phenol and Benzene at Bismuth-Doped Lead Dioxide Electrodes in Acidic
olyaniline-Poly(styrene sulfonate) Composite Films in Organic Electrolyte
on Electrodes. Preparation Through Alternate Immersions in Modification
e and Spectroelectrochemical Studies on the Oxidation of Iron in Alkaline
l Properties of Thin Anodic Oxides Formed on Silicon in Aqueous NH4OH
The Chemical Etching of GaSb in Br2-Methanol
n the Electrical Impedance Due to the Anodic Dissolution of Silicon in HF
Electrodeposition of Cobalt-Chromium Alloy from Trivalent Chromium
Electrochemical Oxidation of Manganese(II) in HClO4
. The Reduction of Bromate at the Dropping Mercury Electrode in Alkaline
Lithium Intercalation from Aqueous
lectrolytes Comprised of NBR/SBR Latex Films Swollen with Lithium Salt
ffects of Water on the Passive Behavior of 1018 Carbon Steel in Organic
-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Chloride
of Nonactive Metal Electrodes at Low Potentials in Propylene Carbonate
kel Electrodes Influence of Physicochemical Properties of Alkaline
Electrokinetic Characteristics of Nitride Wafers in Aqueous
Corrosion Inhibition of Cobalt in Some Acid
ects of Oxygen Reduction on Nickel Deposition from Unbuffered Aqueous
Electrochemistry of Molybdenum
The Applications of Citric Acid/Hydrogen Peroxide Etching
A Study of the Dissociation State and the SiO2 Etching Reaction for HF
The Dissolution Behavior of Silver in Ammoniacal
Electronic Conductivity of In2O3 Solid
Anodic Activation of Sulfur in Organic
ited Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar Cells on Spray
Microscopic Observation of the Lithium Surface Immersed in Nonaqueous
The Impact of
Preparation of Microarray Electrodes by
H2SO4 Voltammetric Investigation of Hydrogen
amage on GaAs Etched Using a Multipolar Electron Cyclotron Resonance
licon CMOS Integrated Circuits
Gas-Phase Precursors to Diamond and the
cy On the Emergence and
Cracking and
on Tungsten Electrode from DMSO2 Electrolytes. Determination of Al(III)
Chemical Attack on Polypyrrole by Electrolytically Generated Solution
X-Ray Absorption Fine Structure
Semi-Insulating GaAs:Cr
ide Electrochemical and In Situ
ions Rotating Ring-Disk Electrode and
tion of Si3N4 Thin Films from SiH2Cl2 and NH3 Mass
Use of Atmospheric Pressure Ionization Mass
ne Oxide Films
sional Changes and Optical Properties of Polyaniline Measured by In Situ
n Films
ion of Corrosion-Related Defects in Aluminum Using Positron Annihilation
s of Poly(2-Naphthol) Film Using In Situ Multiple Internal Reflection FTIR
nO3 Thin Film/Yttria-Stabilized Zirconia Interface Studied by Impedance
100) Silicon Surfaces Investigated by Multiple Internal Reflection Infrared
ransfer Function Approach for a Generalized Electrochemical Impedance
er/Platinum-Electrode Interface as Measured by In Situ X-Ray Absorption
m Surface Immersed in Nonaqueous Solvents X-Ray Photoelectron
l Annealing of p-Type Silicon. Correlation Between Deep-Level Transient
Evaluation of Coating Degradation with Electrochemical Impedance
e, and Cyclopentylphosphine during InP MOCVD Growth Studied by FTIR

Solid Electrodes from Room Temperature Molten Salts 4 1000
Solid Oxide Fuel Cells High Pe 2 342
Solid Oxide Fuel Cell Cathode Fabricated by Electrochemical Vapor Depo 7 1928
Solid Oxide Fuel Cell Anodes of Doped CeO2 8 2122
Solid Oxide Fuel Cell with a ZrO2-Sc2O3-Al2O3 System Electrolyte 12 3450
Solid Polymer Electrolyte Fuel-Cell Electrodes Electrocatalytic Activ 1 41
Solid Polymer Electrolytes Containing Alkylammonium Salts Electri 7 1730
Solid Polymer Electrolyte to Lithium/Polypyrrole Secondary Battery Syste 8 1994
Solid Polymer Electrolyte Method to Organic Electrochemistry. XVII. Indire 10 2579
Solid Solution La0.67-xLi3xTiO3 7 L78
Solid Solution Alloys A 5 1126
Solid Solubility Limit and at a Low Implant Energy 8 2182
Solid Solutions with ZrO2 10 2750
Solid State Hydrogen Sensor 2 461
Solid Versus Liquid Gallium 10 2645
Solid-Gas and Solid-Liquid Interfaces 11 3278
Solid-Liquid Interfaces 11 3278
Solid-Oxide Fuel Cells 8 L94
Solid-Phase Epitaxy of Amorphous Silicon 1 188
Solid-Polymer Fuel Cells 9 L132
Solid-Polymer-Electrolyte Fuel Cells Improved Electroca 4 968
Solid-State Cell 6 1418
Solid-State Electrochromic Devices Based on WO3/Lithium-Polymer Elect 10 2795
Solid-State Lithium Polymer Batteries 7 L80
Solid-State Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4 Volt Seconda 8 2010
Solid-State Redox Reactions of LiCoO2 (R3m) for Four-Volt Secondary Lit 11 2972
Solubility Limit and at a Low Implant Energy An 8 2182
Solubility Limit 12 3593
Solubility of AgCl in Molten NaCl-AlCl3 and KCl-AlCl3 4 895
Solution Effects of Temperature and P 3 664
Solution The First Stage 4 912
Solution 9 2361
Solution Thin-Oxide Dielectric Strength Impro 10 L139
Solution Atomically Resolved STM of 12 L164
Solution Resistance to Pitting and Chemical Comp 10 2659
Solution Coloration Dynamics of Spin-Coated 8 878
Solution A 10 2716
Solution Electr 5 1157
Solution Alloys A Microe 5 1126
Solution for the Determination of the Crystallographic Orientation of GaSb 8 2220
Solution La0.67-xLi3xTiO3 7 L78
Solution pH and Heat-Treatment on the Properties of Electroless Nickel B 1 78
Solution Species in Aqueous Chloride Medium 11 2942
Solutions Ductility and Crysta 10 2698
Solutions Cyclic Voltammetry of the Uranyl Ion in Magnesium 2 311
Solutions 1 L1
Solutions Characterization of the Elec 8 2049
Solutions Electrocatalysis of Anodic Oxygen-Transfer Reactions. O 12 3404
Solutions Electrochemical Behavior of P 6 1409
Solutions Polyoxometallate-based Layered Composite Films 1 140
Solutions Rotating Ring-Disk Electrod 3 718
Solutions Electrica 5 1309
Solutions 11 3264
Solutions O 3 697
Solutions 7 1773
Solutions 9 2422
Solutions Negative Apparent Electrochemical Enthalpy of Activatio 5 1183
Solutions 9 2310
Solutions Ionic Conductivity of Dual-Phase Polymer E 8 1989
Solutions The E 4 934
Solutions Electrochemistry and Passivity of Ti-15 V-3 Cr 10 2633
Solutions. A Comparison to Studies of Li Electrodes Impedance Sp 7 1806
Solutions and Temperature on the Hydrogen Evolution Reaction on Porou 5 1225
Solutions and their Impact on Particulate Deposition 9 2485
Solutions by Bismuth(III) Chloride 2 352
Solutions I. Deposition Process and Deposit Structure Eff 8 2030
Solutions in Molten LiCl-KCl Eutectic at 500 C 9 2286
Solutions in the Processing of Pseudomorphic MODFETs 4 1082
Solutions of Extremely Low Concentration 2 366
Solutions with Cupric Ammine 1 91
Solutions with ZrO2 10 2750
Solvents 2 316
Solvents Dependence of Photovoltages of Spray-Depos 5 1357
Solvents X-Ray Photoelectron Spectroscopy Analysis and Scannin 9 2379
Sonication on the Structure and Properties of Stain-Etch Porous Silicon 12 L166
Sonochemical Ablation of Polymer Films 3 L23
Sorption/Desorption at/within Oxide-Derived Pd Electrodes in NaOH and 11 2996
Source Surface D 1 255
Source/Drain Dislocations and Electrical Leakage in Titanium-Salicided Si 7 1957
sp2 Carbon Impurity 8 2161
Spacing of Zinc Striations. I. Determination of Preferred Striation Frequen 6 1477
Spalling of Oxide Scale from 304 Stainless Steel at High Temperatures 5 1255
Species Diffusion Coefficients Electrodeposition Studies of Aluminu 2 378
Species in Aqueous Chloride Medium 11 2942
Spectra and the Oxidation State of Nickel in Some of Its Oxycompounds 6 L69
Spectral Behavior of Zero-Bias Photocurrent at Low Temperature in Bulk 9 2533
Spectroelectrochemical Study on Polypyrrole/Disulfide Composite Electr 4 L49
Spectroelectrochemical Studies on the Oxidation of Iron in Alkaline Solut 3 718
Spectrometric and Kinetic Study of Low-Pressure Chemical Vapor Deposi 12 3505
Spectrometry to Monitor Hydrocarbon Type Impurities in Bulk Nitrogen 9 2478
Spectroscopic Ellipsometry and Atomic Force Microscopy of Polyphenyle 1 306
Spectroscopic Ellipsometry Nanoscale Dimen 4 859
Spectroscopic Ellipsometry Investigation of Amorphous Silicon Nitride Thi 9 2483
Spectroscopy Detect 12 3361
Spectroscopy Study of the Redox Proces 1 156
Spectroscopy Oxygen Reduction at La0.5Sr0.5M 8 2118
Spectroscopy Hydrogen Passivation of HF-Last Cleaned (11 3128
Spectroscopy A T 5 1147
Spectroscopy Structure of the Copper-Monolay 9 2369
Spectroscopy Analysis and Scanning Electron Microscopic Observation o 9 2379
Spectroscopy and Lifetime Measurements Rapid Therma 3 754
Spectroscopy and Electrochemical Noise Analysis 9 2332
Spectroscopy. Criteria for the Design of Organophosphine Precursors 7 1886

te Solutions. A Comparison to Studies of Li Electrodes Impedance
1-Hydroxy-Ethane-1,1-Diphosphonic Acid An Electrochemical Impedance
Interactions among Bipolar
clymolybdate Solution Coloration Dynamics of
Ultraviolet-Induced Deposition of SiO2 Film from Tetraethoxysilane
ption Positive Charge Induced by Inorganic
esis Conditions and Oxygen Stoichiometry Effects on Li Insertion into the
hium Batteries An Investigation of
Characterization of
Large Area Photocurrent Behavior and Laser
Deposited Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar Cells on
ells on Spray Solvents Dependence of Photovoltages of
A Comparative Study of the Electrochemical Properties of Dip-Coated,
Characterization of
Properties of Silver Films
The Influence of Co Content on the Corrosion Resistance of
X-Ray Absorption Study of Electrochemically Grown Oxide Films on AlCr
Low-Temperature Wafer Bonding of Surfaces Using a Reactive
Growth of ZnGa2O4 Phosphor by Radio Frequency Magnetron
Reactive Facet
minate Molten Salts
hallow Junction Leakage Thermal
W Diffusion Barrier Thermal
Thermal
Cells Activity and
Thermal
lls
Metastable Pitting of Aluminum and Criteria for the Transition to
ce of Electrolyte on Lithium Cycling Efficiency with Pressurized Electrode
Acid Solution The First
The Impact of Sonication on the Structure and Properties of
Crystallinity and Photoluminescence in
ltielement XANES Study of Formation and Reduction of the Oxide Film on
arge Area Photocurrent Behavior and Laser Spot Scanning of Passivated
Room-Temperature Coloration of
Cracking and Spalling of Oxide Scale from 304
e-Enhanced Raman Scattering from Pyridine Adsorbed on Thin Layers of
Chemical Composition of Passive Films on AISI 304
oncentration A Study of the Dissociation
Characteristics and Modeling of a Solid
On the Amorphous and Crystalline
X-Ray Absorption Fine Structure Spectra and the Oxidation
ption on Fine Structure Study on Structure Transformation and Electronic
bstrates: A Correlation Between Carrier Lifetime and Etch-Induced Defect
17%Cr Alloy Chemical Composition, Chemical
ant-Current Anodization. A Promising Mechanism for Minimizing Interface
Chemical Composition of Passive Films on AISI 304 Stainless
ed Raman Scattering from Pyridine Adsorbed on Thin Layers of Stainless
XANES Study of Formation and Reduction of the Oxide Film on Stainless
hallium as a Hydrogen Entry Promoter on Cathodically Polarized HY-130
Cracking and Spalling of Oxide Scale from 304 Stainless
Room-Temperature Coloration of Stainless
The Effects of Water on the Passive Behavior of 1018 Carbon
Photocurrent Behavior and Laser Spot Scanning of Passivated Stainless
The Role of Oxygen Reduction in Electrical
Study of the Structure and Chemical Nature of Porous Si and Siloxene by
urfaces XPS and
c Acid Solution Atomically Resolved
Synthesis Conditions and Oxygen
-Induced Defects on the Chemical Selectivity of Highly Doped Boron Etch
NH4OH-H2O2 Solution Thin-Oxide Dielectric
A Kinetics Study of the Bond
ers The Dependence of the
The Effect of High Temperature Anneal on Electrical
Emergence and Spacing of Zinc Striations. I. Determination of Preferred
On the Emergence and Spacing of Zinc
Ion-Implanted Photoresist and Damage-Free
In Situ Atomic Force Microscopy Study of the Plating and
Im Electrode Observation of a Transient
Li Deintercalation-Intercalation Reaction and
Photostimulated Luminescence and
Numerical Calculations of the Electrical Effects Induced by
ly Conductive and Ion-Storage Characteristics Electrochemical and
e Films Prepared by Electrochemical Selenization of Metal Layers
on from Unbuffered Aqueous Solutions I. Deposition Process and Deposit
3% Ti-Tungsten Diffusion Barriers. I. A Discussion of the Role of the A15
The Impact of Sonication on the
XPS, and LIMA Study of the
2O5 Films on Si(100) Ellipsometric Examination of
High Ammonia Sensitive Semiconductor Gas Sensors with Double-Layer
on Pb-Sb Electrodes Influence of Antimony on the
Correlations of Atomic
Dielectrics Degradation of Alpha-Si/Co/SiO2/Si
ensing Properties of SnO2 Thin Film Sensors in a SiO2/SnO2 Layer-Built
te Charge/Discharge Characteristics of Carbon Fiber with Graphite
Effects of Thermal and Chemical Treatments on the Composition and
Optimization of Composition and
nium Carbide Using Silane and Ethylene Morphological
ne, Carbon Tetrachloride, and Silicon Tetrachloride Morphological
ured by In Situ X-Ray Absorption Spectroscopy
Ductility and Crystallographic
mpounds X-Ray Absorption Fine
Pt Particles on Carbon Electrode In Situ X-Ray Absorption on Fine
bon Electrode In Situ X-Ray Absorption on Fine Structure Study on
Deep and Shallow Electron Trapping in the Buried Oxide Layer of SIMOX
Geometry Effects in the Chemical-Mechanical Polishing of Inlaid Copper
Selective Electrodeposition of Catalyst Within Membrane-Electrode
eal on Electrical Stress-Generated Defects in Metal Oxide Semiconductor
Distribution of Photoresist over GaAs Mesa
Electrochromic Devices Based on WO3/Lithium-Polymer Electrolyte/V2O5
yclobutane SiC Silicon-On-Insulator

Spectroscopy of Nonactive Metal Electrodes at Low Potentials in Propyle 7 1808
Spectroscopy Study Corrosion Inhibition by 12 3357
Spheres in an Electrolytic Cell 11 3103
Spin-Coated MoO3.nH2O Electrochromic Films Fabricated from Peroxo-P 4 876
Spin-Coated on Si 6 1556
Spin-On-Glass. Influence of Silicon Oxide with High Yield of Water Absor 6 1628
Spinel Anodes for Lithium-Ion Batteries 11 L147
Spinel LiMn2O4 Synth 6 1421
Spinel-Related and Orthorhombic LiMnO2 Cathodes for Rechargeable Lit 5 1178
Spontaneously Bonded Hydrophobic Silicon Surfaces 2 562
Spot Scanning of Passivated Stainless Steels 2 362
Spray Solvents Dependence of Photovoltages of Spray- 5 1357
Spray-Deposited Indium Tin Oxide/Silicon Oxide/Silicon Junction Solar C 5 1357
Spun and Organic Langmuir-Blodgett Films of Polyaniline 6 1573
Sputter-Deposited LiMn2O4 Thin Films for Rechargeable Microbatteries 12 3296
Sputter-Deposited on Biased Substrates 6 1691
Sputter-Deposited TbFeCo Thin Films in Aqueous Environments 5 1199
Sputtered Alloys. II. In Situ Studies 1 83
Sputtered Oxide 8 2157
Sputtering 6 1617
Sputtering of SiO2 11 3151
Stability and Electrochemistry of Lithium in Room Temperature Chloroalu 4 873
Stability Limits of Thin TiSi2. Effect on Submicron Line Resistance and S 5 1351
Stability of Cu/CoSi2 Contacted p+n Shallow Junction with and without Ti 10 2804
Stability of Ni-P and Ni-Cu-P Amorphous Alloys 10 2864
Stability of Ordered and Disordered Co-Pt Alloys for Phosphoric Acid Fuel 10 2659
Stability of the Polymer Electrolyte (PEO)8LiCF3SO3 11 2978
Stabilized Alpha-Ni(OH)2 as Electrode Material for Alkaline Secondary Ce 11 2956
Stable Pit Growth 11 3028
Stack Influen 3 611
Stages of Dezincification of Freshly Generated Brass Surfaces in Sulfuric 4 912
Stain-Etch Porous Silicon 12 L166
Stain-Etched Porous Si 3 674
Stainless Steel In Situ Mu 1 L6
Stainless Steels L 2 362
Stainless Steel by Alternating Potential Pulse Method 3 648
Stainless Steel at High Temperatures 5 1255
Stainless Steel Surfac 12 3312
Stainless Steel 12 3347
State and the SiO2 Etching Reaction for HF Solutions of Extremely Low C 2 368
State Hydrogen Sensor 2 461
State of Electrodeposited Nickel-Phosphorus Coatings 1 294
State of Nickel in Some of Its Oxycompounds 6 L69
State of Various Pt Particles on Carbon Electrode In Situ X-Ray Abs 9 2516
States Effect of Plasma Etching Edge-Type Exposures on Si Su 11 3230
States, and Resistance to Localized Corrosion of Passive Films on an Fe- 1 111
States in the Silicon/Silicon-Oxide System of an Anodic Oxide Film 8 2227
Steel 12 3347
Steel Surface-Enhanc 12 3312
Steel In Situ Multielement 1 L6
Steel The Role of T 6 1526
Steel at High Temperatures 5 1255
Steel by Alternating Potential Pulse Method 3 648
Steel in Organic Solutions 4 934
Steels Large Area 2 362
Stimulation of Neural Tissue 1 122
STM, AFM, XPS, and LIMA 2 402
STM Investigation of the Passive Film Formed on Cr(110) Single-Crystal S 11 3016
STM of Oxide Film Structures on Fe-Cr Alloys during Passivation in Sulfuri 12 L164
Stoichiometry Effects on Li Insertion into the Spinel LiMn2O4 6 1421
Stops in Silicon The Effects of Process 1 178
Strength Improvement by Adding a Phosphonic Acid Chelating Agent into 10 L139
Strength of Direct Bonded Wafers 11 3225
Stress Chemical Vapor Deposited Tungsten Films on Deposition Paramet 3 843
Stress-Generated Defects in Metal Oxide Semiconductor Structures 8 2140
Striation Frequency On the 6 1477
Striations. I. Determination of Preferred Striation Frequency 6 1477
Stripping 1 192
Stripping of Silver 1 116
Structural Change during the Reversible Reduction of a Porphyrin Thin-Fi 7 1735
Structural Change in Lithium Transition Metal Nitride, Li7MnN4 11 2966
Structural Characterization of Ba5(PO4)3Cl:Eu2+ Phosphors 7 1851
Structural Imperfections on Metal Oxide Semiconductor Capacitors 6 1621
Structural Properties of SnO2 and Sb:SnO2 Transparent Electrodes with 9 L127
Structural Properties and Growth Mechanism of Copper and Indium Selen 6 1566
Structure Effects of Oxygen Reduction on Nickel Depositi 8 2030
Structure 7 1867
Structure and Properties of Stain-Etch Porous Silicon 12 L166
Structure and Chemical Nature of Porous Si and Siloxene by STM, AFM, 2 402
Structure and Growth Rate of Metalorganic Chemical Vapor Deposited Ta 3 853
Structure and Interface Electrodes 4 1028
Structure and the Degree of Hydration of the Anodic PbO2 Layer Formed 9 2316
Structure and Reactivity at Solid-Gas and Solid-Liquid Interfaces 11 3278
Structure during Furnace Annealing 7 1931
Structure Fabricated by Sol-Gel Process Effect of Gas Diffusion Pr 1 220
Structure in Organic Electrolytes Containing Lithium Trifluoromethylsulfat 5 1105
Structure of Electrodeposited CuInSe2 Thin Films 1 225
Structure of Metal-Hydride Electrodes 7 1747
Structure of Silicon Carbide Grown by Chemical Vapor Deposition on Tita 3 765
Structure of Silicon Carbide, Chemically Vapor Deposited on Titanium Car 3 771
Structure of TiO2/SiO2 Multilayer Films 1 237
Structure of the Copper-Monolayer/Platinum-Electrode Interface as Meas 9 2369
Structure of Zinc Foils Electrodeposited from Acid Zinc Sulfate Solutions 10 2698
Structure Spectra and the Oxidation State of Nickel in Some of Its Oxyco 6 L69
Structure Study on Structure Transformation and Electronic State of Vario 9 2516
Structure Transformation and Electronic State of Various Pt Particles on 9 2516
Structures 10 2801
Structures Pattern 10 2842
Structures 1 46
Structures The Effect of High Temperature Ann 8 2140
Structures 2 578
Structures Optimization Study of Solid-State 10 2795
Structures by Direct Carbonization Conversion and Postgrowth from Silac 6 L66

ign of Electrocatalyst for CO2 Reduction. V. Effect of the Microcrystalline
Atomically Resolved STM of Oxide Film
Deposition of Nickel Hydroxide
ed Phenomena in Integrated PECVD/Ozone-TEOS SACVD Processes for
trates by SIMS Determination of
Mechanism of Atmospheric Corrosion of Copper in the Presence of
Thermal Stability Limits of Thin TiSi2. Effect on
Effects of Deposition and Ion Scattering on Profile Control in
The Effect of Boron
Diamond Resistors Fabricated Monolithically on Diamond Film
Electroless Copper Plating Using ZnO Thin Film Coated on a Glass
tween a Low Temperature Silicon Epitaxial Layer and HF-Treated Silicon
Simulation of Rarefied Gas Transport and Profile Evolution in Nonplanar
rement by In Situ Ellipsometry
Direct Nickel Plating on Aluminum
nsistors Effects of Plasma-Enhanced Chemical Vapor Deposition
Electrochemical Deposition of Uniform Lithium on an Ni
lling Ellipsometry Examination of Si
New Methods for Circuit Fabrication on Poly(tetrafluoroethylene)
and Elimination of Defects in Oxide Layers Grown on Czochralski Silicon
Oxygen Recombination in Sealed Ni-Cd Cells with Fiber
Properties of Silver Films Sputter-Deposited on Biased
ect States Effect of Plasma Etching Edge-Type Exposures on Si
Characterization of In0.12Ga0.88As0.34P0.66 Grown on GaAs0.61P0.39
n of Sub-Parts per Billion Boron Contamination in N+ Czochralski Silicon
Microdefects in Oxide Films Deposited on Featured Surfaces of VLSI
Reactive Ion Etching of (111) Beta-SiC Epitaxial Layers on (111) TiC
Epitaxial Growth of SiC on Sapphire
Nickel Impurities Zinc Electrowinning in Acidic
Theory of Thermocells. Transported Entropies and Heat of Transfer in
mospheric Corrosion of Copper in the Presence of Submicron Ammonium
Electrical and Microstructural Studies of SnO2 Ceramics Obtained by Tin
d Crystallographic Structure of Zinc Foils Electrodeposited from Acid Zinc
Anodic Oxidation of
Roles of Complexing Agents on the Corrosion of Copper-Nickel Alloys in
Electrical Characteristics of Zinc
Electrochemical Behavior of Polyaniline-Poly(styrene
Plasma Polymerization of
Anodic Activation of
The Effect of
Electrical Conduction Through Anodic Oxides on
Electro-Optical Characterization of
olved STM of Oxide Film Structures on Fe-Cr Alloys during Passivation in
he First Stages of Dezincification of Freshly Generated Brass Surfaces in
nctional-Group Characteristics Electro-oxidation of Methanol in
Thermal Component of the Optical Response of Thin-Film High-Tc
High-Resolution Images of Pd Particles
Formation Mechanism of
ometry Examination of Si Substrate
Atomic Force Microcopy Observation of Si(100)
tercalation-Exfoliation Techniques
Wet Chemical Cleaning and
Evaluation of an Effective Platinum Metal
The
eable "Rocking Chair" Type Batteries The Correlation Between the
ydride Electrodes. I. Development of the Model Hydrogen
dride Electrodes. II. Quantitative Numerical Calculations Hydrogen
OPG, and Glassy Carbon Electrodes The Susceptibility to
esonance Source
11)
roduced by Cathodic Polarization in the Electrical Conduction Behavior of
/RTN Isolation Process for Advanced ULSI. Introducing a New Concept of
y Analysis and Scanning Electron Microscopic Observation of the Lithium
Prevention of Microroughness Generation on the Silicon Wafer
hanism of Metallic Particle Growth and Metal-Induced Pitting on Si Wafer
ermal Annealing Eliminating the
Formation of a Silver-Rich
Fast Impedance Analysis of a
In Situ Monitoring of Electrode
Decomposition of Alkoxysilanes on the
Double Layer Effects Associated with
Lifetime Study of Metastable
rocesses for Sub-Half Micron Gap Fill. Electrostatic Effects
Evolution of Microscopic
ers of Stainless Steel
Initial Events during the Passivation of Rapidly Dissolving Aluminum
STM Investigation of the Passive Film Formed on Cr(110) Single-Crystal
In Situ Remote H-Plasma Cleaning of Patterned Si-SiO2
Characterization of Spontaneously Bonded Hydrophobic Silicon
Corrosion of Reactor Wall
Use of Atomic Force Microscopy to Image
The First Stages of Dezincification of Freshly Generated Brass
y Hydrogen Passivation of HF-Last Cleaned (100) Silicon
Microdefects in Oxide Films Deposited on Featured
Low-Temperature Wafer Bonding of
neration on the Silicon Wafer Surface in Buffered Hydrogen Fluoride by a
on of Diamond, HOPG, and Glassy Carbon Electrodes The
obile Ion Contamination in Multilayer Metallization by Triangular Voltage
sport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during Redox
Fast Electrochromic
of Dual-Phase Polymer Electrolytes Comprised of NBR/SBR Latex Films
2Cl2 Gases. Properties in the Low Temperature Region
Theoretical Aspects for Low Pressure Diamond
:Tb The
e Fuel Cell (MCFC)
o the Spinel LiMn2O4
an Active Material in Lithium Secondary Batteries Electrochemical

Structures of Cu-Sn and Cu-Zn Alloys on the Electrocatalysis of CO2 Red 8 2054
Structures on Fe-Cr Alloys during Passivation in Sulfuric Acid Solution 12 L164
Structures Using the Scanning Electrochemical Microscope 4 995
Sub-Half Micron Gap Fill. Electrostatic Effects Surface Relat 8 2172
Sub-Parts per Billion Boron Contamination in N+ Czochralski Silicon Subs 12 3453
Submicron Ammonium Sulfate Particles at 300 and 373 K 11 2935
Submicron Line Resistance and Shallow Junction Leakage 5 1351
Submicron Oxide Etch 10 2904
Substitution in Carbon on the Intercalation of Lithium in Lix(BzC1-z)6 4 907
Substrate 12 3522
Substrate 5 L56
Substrate X-Ray Reflectivity Measurement of an Interface Layer Be 5 1370
Substrate Chemical Vapor Deposition 9 2545
Substrate Doping and Microroughness Effects in RTP Temperature Measu 3 737
Substrate for Microbump Formation 7 1791
Substrate Heating on the Electrical Properties of Alpha-Si:H Thin Film Tra 4 1040
Substrate in a Nonaqueous Electrolyte 9 L108
Substrate Surface after Different Chemical Pretreatments by Means of Nu 2 554
Substrates 12 3556
Substrates Characterization 9 2460
Substrates 10 2814
Substrates 6 1691
Substrates: A Correlation Between Carrier Lifetime and Etch-Induced Def 11 3230
Substrates by Liquid-Phase Epitaxy Luminescence 8 2211
Substrates by SIMS Determinatio 12 3453
Substrates by Thermal CVD of TEOS and O2 11 3154
Substrates in CF4 + O2 + Ar 10 2915
Substrates with an AlN Buffer Layer 2 510
Sulfate Electrolytes: Impedance Analysis and Modeling of the Influence of 1 131
Sulfate Mixtures 5 1236
Sulfate Particles at 300 and 373 K Mechanism of At 11 2935
Sulfate Pyrolysis 11 3254
Sulfate Solutions Ductility an 10 2898
Sulfide Ions in Molten Lithium Fluoride 10 2842
Sulfide Polluted Seawater The Conflicting 6 1432
Sulfide Thin Films Deposited by Various Methods 5 1320
sulfonate) Composite Films in Organic Electrolyte Solutions 6 1409
Sulfonated Fluorochlorocarbon Ionomer Films 9 2273
Sulfur in Organic Solvents 2 316
Sulfur on the Passivation of Iron in Calcium Nitrate 9 2343
Sulfur Passivated InP 1 299
Sulfur-Annealed Chemical-Bath Deposited CdS Films 11 3238
Sulfuric Acid Solution Atomically Res 12 L164
Sulfuric Acid Solution T 4 912
Sulfuric Acid Electrolyte on Platinized-Carbon Electrodes with Several Fu 6 1517
Superconductors 3 810
Supported on Highly Oriented Pyrolytic Graphite and Glassy Carbon 9 2511
Supposed Negative Fixed Charges in Glass 11 3193
Surface after Different Chemical Pretreatments by Means of Nulling Ellips 2 554
Surface after Hydrogen Annealing 11 3259
Surface Analysis and Electrochemistry of MoS2 Thin Films Prepared by In 3 629
Surface Analysis of ZnSe 7 1973
Surface Analysis of Si(111) Wafers Using Second Harmonic Generation 11 3145
Surface Area in a Phosphoric Acid Fuel Cell 7 1804
Surface Characterization of RuO2-IrO2-TiO2 Coated Titanium Electrodes 3 643
Surface Chemistry of Lithium Electrodes in Alkyl Carbonate Solutions 1 L1
Surface Chemistry and the Performance of Li-Carbon Intercalation Anode 3 603
Surface Concentration and Overpotential for Galvanostatic Discharge of H 8 2108
Surface Concentration and Overpotential for Galvanostatic Discharge of H 8 2113
Surface Corrosion in Acidic Fluoride Media: A Comparison of Diamond, H 12 3382
Surface Damage on GaAs Etched Using a Multipolar Electron Cyclotron R 1 255
Surface Electronic Properties of Electrolytically Hydrogen Terminated Si(1 12 3595
Surface Films Produced by Cathodic Polarization of Aluminum 1 96
Surface Films on Aluminum Changes P 1 104
Surface Gettering Optimization of Ultrathin Gate Oxide in a SILO 10 2811
Surface Immersed in Nonaqueous Solvents X-Ray Photoelectron S 9 2379
Surface in Buffered Hydrogen Fluoride by a Surfactant Addition 10 2899
Surface in Wet Chemical Processing Mac 10 2834
Surface Inversion Layer under the Field Oxide by Low Pressure Rapid Th 9 2498
Surface Layer on Electrodeposited CdTe 2 529
Surface Microstructure during Anodic Oxidation of a Copper/Gold Alloy 12 3416
Surface Modification via Confocal Scanning Beam Laser Microscopy 11 L153
Surface of a Hot Wire-Study of Decomposition Mechanism 2 542
Surface Reconstruction on an Au(100) Electrode 3 L30
Surface Recombination Centers in n-Type Silicon Wafers 6 1500
Surface Related Phenomena in Integrated PECVD/Ozone-TEOS SACVD P 8 2172
Surface Topography during Passivation of Aluminum 6 1446
Surface-Enhanced Raman Scattering from Pyridine Adsorbed on Thin Lay 12 3312
Surfaces 6 1453
Surfaces XPS and 11 3016
Surfaces 11 3136
Surfaces 2 562
Surfaces by WF6 10 2884
Surfaces during Fluid Flow 7 L85
Surfaces in Sulfuric Acid Solution 4 912
Surfaces Investigated by Multiple Internal Reflection Infrared Spectroscop 11 3128
Surfaces of VLSI Substrates by Thermal CVD of TEOS and O2 11 3154
Surfaces Using a Reactive Sputtered Oxide 8 2157
Surfactant Addition Prevention of Microroughness Ge 10 2899
Susceptibility to Surface Corrosion in Acidic Fluoride Media: A Comparis 12 3382
Sweep Measurement of M 7 1862
Switching Charge and Ion Tran 1 35
Switching with Nanocrystalline Oxide Semiconductor Films 7 L82
Swollen with Lithium Salt Solutions Ionic Conductivity 8 1989
Synchronously Excited Discrete Chemical Vapor Deposition of Ta2O5 5 1339
Synchrotron Radiation-Assisted Si Epitaxial Growth Using Si2H6 and SiH 6 1562
Syntheses 1 276
Synthesis and Characterization of Ru-Ti4O7 Microelectrode Arrays 4 1014
Synthesis and Particle Growth Mechanism of Bright Green Phosphor YAG 5 1252
Synthesis and Performance of LiCoO2 Cathodes for the Molten Carbonat 11 2959
Synthesis Conditions and Oxygen Stoichiometry Effects on Li Insertion int 6 1421
Synthesis of Composite Films of Manganese Dioxide and Polypyrrole and 1 10
Synthesis of Carbon Nitride in Plasma Arc 2 L16

m Rechargeable Battery
trochemical Diagnostic of Bright Tin Deposition in View of the Electrolytic
ane Electrochemical Reactor Simultaneous
A Novel
Synchronously Excited Discrete Chemical Vapor Deposition of
of Structure and Growth Rate of Metalorganic Chemical Vapor Deposited
Analysis of Electrochemical Systems
The Effect of the Crystal Grown-in Defects on the Pause
Limiting Current Density on a Line Electrode in the Presence of
Electrochemical Study of
Ultrathin
Intrinsic and Passivation-Induced Trench
on the Luminescence Quantum Efficiency of the Lamp Phosphor (Ce, Gd,
nfluence of Co Content on the Corrosion Resistance of Sputter-Deposited
Effect of Pt/Al2O3 Catalyst on GaAs Grown by Low Pressure
The Perspectives of Silicon-On-Insulator
Anisotropy of Porous Anodization of Aluminum for VLSI
Rapid Thermal Annealing in Advanced Silicon Bipolar
An Isoplanar Isolation
Oxidation of 6H-SiC as a Function of Doping Concentration and
Deposition of Fluorinated a-SiC Films at Room
ced Chemical Vapor Deposition The Kinetics of Very Low
d Metal to P+ Contact Resistance Effect of Low
er in Alkaline Zinc Solution Effects of
Methyl-4-(2'-substituted benzeneazo)-2-isoxazolin-5-ones Effect of
Microelectrode Study of the Lithium/Propylene Carbonate Interface:
e Semiconductor Structures The Effect of High
ry and Passivity of Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient
Tungsten/Tungsten Oxide pH Sensing Electrode for High
Oxygen Incorporation during Low
Stability and Electrochemistry of Lithium in Room
mogeneous Electron Transfer Reactions of Tetrathiafulvalene in Ambient
Low
2 Ion Implanted Silicon The Annealing Time and
thoxysilane High
an Electron Cyclotron Resonance Plasma Process Low
GaAs Low
Spectral Behavior of Zero-Bias Photocurrent at Low
Design of a Gold Ultramicroelectrode for Voltammetric Studies at High
Ambient
Wavelength Considerations for Improved Silicon Wafer
Substrate Doping and Microroughness Effects in RTP
m and Adsorption of Palladium Chloride onto Solid Electrodes from Room
High
Influence of Polarization Time and
Influence of Physicochemical Properties of Alkaline Solutions and
High Performance Catalyzed-Reaction Layer for Medium
3 System Electrolyte Low
tion Furnace Modeling the Wafer
Detection of D2O in Water Isotopes Using a High
i Epitaxial Growth Using Si2H6 and SiH2Cl2 Gases. Properties in the Low
X-Ray Reflectivity Measurement of an Interface Layer Between a Low
Extrinsic Conditions for Low
The Rechargeable LiAl/Li3.6Ge0.6V0.4O4/TiS2 High
d Pt-Ru Alloys
opping Conduction in Molecular Beam Epitaxial GaAs Grown at Very Low
f Boron-Doped Polycrystalline Si with Extremely Low Resistivities at Low
Electronic Conductivity of Polycrystalline Na-Beta-Alumina at High
Cathodic Reduction of Oxides Formed on Copper at Elevated
Cracking and Spalling of Oxide Scale from 304 Stainless Steel at High
A Polymer Electrolyte for Operation at
s Deposited on Featured Surfaces of VLSI Substrates by Thermal CVD of
Modeling of CVD of Silicon Dioxide Using
ield Effects in High-Power Batteries. II. Time Constant of a Radial Circuit
Surface Electronic Properties of Electrolytically Hydrogen
Determination of Thermodynamic Properties of
Improved Electrocatalytic Oxygen Reduction Performance of Platinum
on Proton Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid The
el Cells Life
tride Chemical Vapor Deposition Using Nitrogen, Hydrogen, and Titanium
d on Titanium Carbide Using Ethylene, Carbon Tetrachloride, and Silicon
Chemically Vapor Deposited on Titanium Carbide Using Ethylene, Carbon
High Temperature Deposition of SiO2 on Hot Wires by Decomposition of
Ultraviolet-Induced Deposition of SiO2 Film from
Kinetics of SiO2 Deposition from
lasma Process Low Temperature Deposition of TiN Using
Charge and Ion Transport in Poly(pyrrole copper phthalocyanine
Heterogeneous and Homogeneous Electron Transfer Reactions of
Steel The Role of
ution of Crystallinity during the Electrodeposition of Body-Centered Cubic
hange Membrane Fuel Cells Using O2/He, O2/Ar, and O2/N2 Mixtures. II.
fate Mixtures
ectrodeposited CuInSe2 Thin Films Effects of
phosilicate Glass Passivation Against Cu Contamination Using the Rapid
nsient Spectroscopy and Lifetime Measurements Rapid
Rapid
he Surface Inversion Layer under the Field Oxide by Low Pressure Rapid
ctive Epitaxy Using Disilane and Hydrogen in an Ultrahigh Vacuum Rapid
onductors
cts in Oxide Films Deposited on Featured Surfaces of VLSI Substrates by
and Kinetic Modeling On the Homogeneous Chemistry of the
Oxides
arge and Dynamic Power Profile Three-Dimensional
ilms Deposited on Smooth and Rugged Polycrystalline Silicon after Rapid
rameters on the Electrical Characteristics of Thin Oxides Grown by Rapid
The Profile of Electrically Active Phosphorus in Silicon after
Synthesis of Hollandite-Type Manganese Dioxide with H+ Form for Lithiu 10 L135
Synthesis of NiP/Sn Multilayers Elec 2 397
Synthesis of Ozone and Hydrogen Peroxide in a Proton-Exchange-Membr 5 1174
Synthetic Route to Nb2O5 Thin Films for Electrochromic Devices 3 L29

—T—

Ta2O5 5 1339
Ta2O5 Films on Si(100) Ellipsometric Examination 3 853
Tables of Degenerate Electrical Networks for Use in the Equivalent-Circuit 7 1823
Tail Characteristics of Megabit Dynamic Random Access Memory Devices 7 1872
Tangential, Oscillating Fluid Flow 10 2753
Tantalum in Fluoride and Oxofluoride Melts 11 2982
Tantalum Oxide Capacitor Process Using Oxygen-Plasma Annealing 5 1246
Tapering during Plasma Etching 7 1964
TbjMgB5O10 Influence of Impurities 8 2201
TbFeCo Thin Films in Aqueous Environments The I 5 1199
TEAs-TMGa Organometallic Vapor-Phase Epitaxy 9 2573
Technologies for Cryogenic Applications 9 2522
Technology 9 2556
Technology 6 1663
Technology for SiC Devices Using Local Oxidation 8 2188
Temperature 8 2262
Temperature 12 3562
Temperature (300 C) Silicon Epitaxial Growth by Confined Plasma Enhan 12 3584
Temperature (<900 C) RTA on the Conductivity of As-Implanted Layers an 8 2223
Temperature and Powder Morphologies on the Cementation Rate of Copp 3 664
Temperature and Evaluation of Thermodynamic Parameters for the Polaro 5 1114
Temperature and Concentration Dependence of Physicochemical Paramet 11 3053
Temperature Anneal on Electrical Stress-Generated Defects in Metal Oxid 8 2140
Temperature Aqueous Chloride Solutions Electrochemist 10 2633
Temperature Aqueous Environments 11 3002
Temperature Chemical Vapor Deposition Growth of Epitaxial Silicon Films 5 1284
Temperature Chloroaluminate Molten Salts 4 873
Temperature Chloroaluminate Molten Salts Heterogeneous and Ho 7 1713
Temperature Chlorine-Based Dry Etching of III-V Semiconductors 8 2250
Temperature Dependence of Electrical Dopant Activation in High-Dose BF 11 3158
Temperature Deposition of SiO2 on Hot Wires by Decomposition of Tetrae 2 514
Temperature Deposition of TiN Using Tetrakis(dimethylamido)-Titanium in 3 849
Temperature Fusion Bonding 11 3242
Temperature in Bulk Semi-Insulating GaAs:Cr 9 2533
Temperature in Glass-Corrosive Media (Molten Carbonate at 650 C) 8 2015
Temperature Lithium Polymer Rocking-Chair Batteries 6 1405
Temperature Measurement by Ellipsometry 2 539
Temperature Measurement by In Situ Ellipsometry 3 737
Temperature Molten Salts Electrodeposition of Palladiu 4 1000
Temperature Ohmic Contact Metallizations for n-Type 3C-SiC 2 579
Temperature on the Adsorption of Carbon Dioxide on Platinum 1 L4
Temperature on the Hydrogen Evolution Reaction on Porous Lanthanum- 5 1225
Temperature Operating Solid Oxide Fuel Cells 2 342
Temperature Operation of Solid Oxide Fuel Cell with a ZrO2-Sc2O3-Al2O 12 3450
Temperature Profile in a Multiwafer Low Pressure Chemical Vapor Deposi 1 161
Temperature Protonic Conductor 9 L125
Temperature Region Synchrotron Radiation-Assisted S 6 1562
Temperature Silicon Epitaxial Layer and HF-Treated Silicon Substrate 5 1370
Temperature Silicon Homoepitaxy 9 2470
Temperature Solid-State Cell 6 1418
Temperature-Dependent Methanol Electro-oxidation on Well-Characterize 7 1795
Temperatures H 3 747
Temperatures The Formation o 5 1334
Temperatures 10 2779
Temperatures 4 940
Temperatures 5 1255
Temperatures up to 200 C 4 L46
TEOS and O2 Microdefects in Oxide Film 11 3154
TEOS and Ozone in a Single-Wafer Reactor 12 3462
Terminated by a Cylindrical Cell with Inductance Magnetic F 3 708
Terminated Si(111) 12 3595
Ternary Al-Cu-Zn Alloys by Electromotive Force Method 4 927
Ternary Alloy-Oxide in Solid-Polymer-Electrolyte Fuel Cells 4 968
Ternary HCl:ImCl:AlCl3 Ambient-Temperature Molten Salt System. Expan 3 L19
Tests of Carbon-Supported Pt-Cr-Cu Electrocatalysts in Solid-Polymer Fu 9 L132
Tetrachloride A Kinetic Study of Titanium Ni 3 787
Tetrachloride Morphological Structure of Silicon Carbide, Chemical 3 771
Tetrachloride, and Silicon Tetrachloride Morphological Structure of 3 771
Tetraethoxysilane 2 514
Tetraethoxysilane Spin-Coated on Si 6 1556
Tetraethylorthosilicate 7 1943
Tetrakis(dimethylamido)-Titanium in an Electron Cyclotron Resonance P 3 849
tetrasulfonate) during Redox Switching 1 35
Tetrathiafulvalene in Ambient Temperature Chloroaluminate Molten Salts 7 1713
Thallium as a Hydrogen Entry Promoter on Cathodically Polarized HY-130 6 1526
Thallium(III) Oxide onto Glassy Carbon Evol 9 2391
Theoretical Analysis of the Discharge Performance of a NiOOH/H2 Cell 1 54
Theoretical Analysis Mass Transport Phenomena in Proton Exc 8 2089
Theoretical Aspects for Low Pressure Diamond Syntheses 1 278
Theory of Thermocells. Transported Entropies and Heat of Transfer in Sul 5 1236
Thermal and Chemical Treatments on the Composition and Structure of El 1 225
Thermal Annealing Process Improved Phos 3 734
Thermal Annealing of p-Type Silicon. Correlation Between Deep-Level Tra 3 754
Thermal Annealing in Advanced Silicon Bipolar Technology 6 1663
Thermal Annealing Eliminating t 9 2498
Thermal Characteristics of a Nickel-Hydrogen Battery 2 333
Thermal Chemical Vapor Deposition Reactor Growth Kinetics, Silico 11 3269
Thermal Component of the Optical Response of Thin-Film High-Tc Superc 3 810
Thermal CVD of TEOS and O2 Microdefe 11 3154
Thermal Decomposition of Methyltrichlorosilane. Thermodynamic Analysis 6 1599
Thermal Incorporation of External Oxygen into EMD-Derived Manganese 12 3343
Thermal Modeling of Lithium-Polymer Batteries under Galvanostatic Disch 11 2947
Thermal Nitridation Physical and Electrical Characteristics of Thin 4 1066
Thermal Oxidation of SiC in N2O 11 L150
Thermal Oxidation of Si in N2O Effects of Oxide Thickness and Oxi 11 3222
Thermal Oxidation 12 3580

racterization of Silicon Oxide Films Grown in N2O Atmosphere in a Rapid
A Study of Electrical, Metallurgical, and Mechanical Behaviors of Rapid
Modeling, Identification, and Control of Rapid
e and Shallow Junction Leakage
thout TiW Diffusion Barrier

el for the Chemical Vapor Deposition of Polysilicon in a Cold Wall, Rapid
ers on Alumina Ceramic The Influence of
rns Theory of
Analysis and
Chemical Vapor Deposition of Silicon by the Alternating Cyclic Method: A
ounds by the Alternating Cyclic Method A
eneous Chemistry of the Thermal Decomposition of Methyltrichlorosilane.
tion in the Silicon-Boron-Carbon System at 1400 K
eazo)-2-isoxazolin-5-ones Effect of Temperature and Evaluation of
orce Method Determination of
Si Deposition from Chlorosilanes. II. Numerical Analysis of
ct of Calcium Content on the Discharge Characteristics of CaxLa1-xCrO3
s Grown by Rapid Thermal Oxidation of Si in N2O Effects of Oxide
Silica Films on Silicon.
The Effect of Aluminum
Electrical Properties of
The Reaction of Extremely
A Novel Synthetic Route to Nb2O5
Electroless Copper Plating Using ZnO
trochromic Oxidation and Reduction of Cobalt and Zinc Naphthalocyanine
Process and Film Characterization of Chemical-Bath-Deposited ZnS
ss Effect of Gas Diffusion Process on Sensing Properties of SnO2
reatments on the Composition and Structure of Electrodeposited CuInSe2
Intermetallic Compound Formation in Ti/Al Aluminum Alloy
Preparation of Homogeneous Polycrystalline CuInSe2
Surface Analysis and Electrochemistry of MoS2
Electrolytic Codeposition of Ni-Gamma Al2O3
Chemical Bath Deposition of ZnSe and CuSe
Electrochromic Properties of Tungsten Trioxide
r Deposition Substrate Heating on the Electrical Properties of Alpha-Si:H
of Co Content on the Corrosion Resistance of Sputter-Deposited TbFeCo
Metal Fluoride
Electrical Characteristics of Zinc Sulfide
Anodic Oxide Films as a Gate Dielectric for a
The C49 to C54 Phase Transformation in TiSi2
sivation Studies on Undoped and Ag-Doped YBa2Cu3O7-x Laser Ablated
Preparation and Properties of Sb2S3
oscopy Oxygen Reduction at La0.5Sr0.5MnO3
Hot Electron Reduction at Etched n-Si/Pt
Electrochromic Properties of Tungsten Trioxide
Electrochromism of Niobium Oxide
Spectroscopic Ellipsometry Investigation of Amorphous Silicon Nitride
ms during Air Annealing of Chemically Deposited ZnS-CuS and PbS-CuS
Electrochromic Properties of Niobium Oxide
e and Photoluminescence of Cerium-Activated Alkaline Earth Thiogallate
Growth of In2O3
Characterization of Sputter-Deposited LiMn2O4
Enhanced Electrochromic Property of Nickel Hydroxide
c and Kinetic Study of Low-Pressure Chemical Vapor Deposition of Si3N4
Surface-Enhanced Raman Scattering from Pyridine Adsorbed on
Thickness and Oxidation Parameters on the Electrical Characteristics of
n Preparation of
lication of the Flooded-Agglomerate Model to Study Oxygen Reduction on
apid Thermal Nitridation Physical and Electrical Characteristics of
w Boron-Doped Layer Formation by Boron Diffusion from Poly-Si Through
akage Thermal Stability Limits of
Uniformity of the N2O Furnace Oxynitride Process for the Formation of
Characterization of Nonstoichiometric Nickel Oxide
nsient Structural Change during the Reversible Reduction of a Porphyrin
Thermal Component of the Optical Response of
lectronics Industry A Galvanic Series for
ral Effects on Electrocatalytic Oxygen Reduction Activity of Nano-Grained
Reactive Ion Etch Processes for Amorphous Silicon
New
Chelating Agent into NH4OH-H2O2 Solution
Insight into Gate Oxide
luminescence and Photoluminescence of Cerium-Activated Alkaline Earth
Galvanostatic Discharge and Dynamic Power Profile
Behavior of TiN and
al, Metallurgical, and Mechanical Behaviors of Rapid Thermal Processed
us Chloride Solutions Electrochemistry and Passivity of
cture 3%
fetime Intermetallic Compound Formation in
Reactive Ion Etching of (111) Beta-SiC Epitaxial Layers on (111)
Influence of Polarization
-Dose BF2 Ion Implanted Silicon The Annealing
ductance Magnetic Field Effects in High-Power Batteries. II.
Behavior of
Electrochemical Diagnostic of Bright
Enhancement of the Reactive Deposition Rate of
olysis Reduction in Copper-Electroplating on Transparent Semiconductor
Dependence of Photovoltages of Spray-Deposited Indium
Electrical and Microstructural Studies of SnO2 Ceramics Obtained by
nance Plasma Process Low Temperature Deposition of
Structure of
Selected Dissolution of Aluminum Initiated by Atomic Force Microscope
Thermal Stability Limits of Thin
The C49 to C54 Phase Transformation in
The Role of Oxygen Reduction in Electrical Stimulation of Neural
Pitting Corrosion of
t of Copper Ions in the Slurry on the Chemical-Mechanical Polish Rate of
ical Structure of Silicon Carbide Grown by Chemical Vapor Deposition on
orphological Structure of Silicon Carbide, Chemically Vapor Deposited on
Surface Characterization of RuO2-IrO2-TiO2 Coated

Thermal Processor Growth Rate and Cha 1 259
Thermal Processed Ti Films in NH3 2 479
Thermal Processing Systems 11 3200
Thermal Stability Limits of Thin TiSi2. Effect on Submicron Line Resistanc 5 1351
Thermal Stability of Cu/CoSi2 Contacted p+n Shallow Junction with and wi 10 2804
Thermal Stability of Ni-P and Ni-Cu-P Amorphous Alloys 10 2864
Thermal Stability of the Polymer Electrolyte (PEO)8LiCF3SO3 11 2978
Thermal System A Predictive Mod 6 1658
Thermal Treatments on the Adhesion of Electrolessly Deposited Ni(P) Lay 3 816
Thermally Deposited Amorphous Silicon 8 2166
Thermocells. Transported Entropies and Heat of Transfer in Sulfate Mixtu 5 1236
Thermochemistry of the Vapor of the NaBr-DyBr3 System 10 2769
Thermodynamic Analysis Selective Area 2 593
Thermodynamic Analysis of Selective Area CVD of Titanium Nitride Comp 4 1086
Thermodynamic Analysis and Kinetic Modeling On the Homog 6 1599
Thermodynamic and Experimental Study of the Chemical Vapor Codeposi 2 452
Thermodynamic Parameters for the Polarographic Behavior of 3-Methyl-4 5 1114
Thermodynamic Properties of Ternary Al-Cu-Zn Alloys by Electromotive F 4 927
Thermofluid Effects on Deposition 8 2078
Thick-Film Cathodes for Use in DC-Type Plasma Display Panels Eff 4 880
Thickness and Oxidation Parameters on the Electrical Characteristics of T 11 3222
Thickness Measurement by Electron Microscopy and Ellipsometry 7 1832
Thickness on Solar Cell Performance 6 1577
Thin Anodic Oxides Formed on Silicon in Aqueous NH4OH Solutions 5 1309
Thin Co-Zr and Pd-Ta Layers with Si(100) 2 519
Thin Films for Electrochromic Devices 3 L29
Thin Film Coated on a Glass Substrate 5 L56
Thin Films Elec 1 64
Thin Films 1 205
Thin Film Sensors in a SiO2/SnO2 Layer-Built Structure Fabricated by Sol 1 220
Thin Films Effects of Thermal and Chemical T 1 225
Thin Film Couples and Its Role in Electromigration Lifetime 1 302
Thin Films by a Two-Step Chemical-Vapor-Transport Process 2 558
Thin Films Prepared by Intercalation-Exfoliation Techniques 3 629
Thin Films 3 669
Thin Films Using N,N-Dimethylselenourea 3 802
Thin Films Prepared by Chemical Vapor Deposition 4 1021
Thin Film Transistors Effects of Plasma-Enhanced Chemical Vapo 4 1040
Thin Film Transistors with Graded SiNx Gate Dielectrics 4 1061
Thin Films in Aqueous Environments The Influence 5 1190
Thin Films Prepared by Atomic Layer Deposition 5 1278
Thin Films Deposited by Various Methods 5 1320
Thin Film Transistor 5 1325
Thin Films 5 1347
Thin Films Aging Effects and Pas 6 1611
Thin Films for Photoelectrochemical Applications 7 1779
Thin Film/Yttria-Stabilized Zirconia Interface Studied by Impedance Spectr 8 2118
Thin Film Electrodes 9 2402
Thin Films Prepared by Photochemical Vapor Deposition 9 2435
Thin Films Prepared by the Sol-Gel Process 9 2439
Thin Films 9 2483
Thin Films Interfacial Diffusion of Metal Alo 9 2536
Thin Films Prepared by Chemical Vapor Deposition 10 2868
Thin Films and Devices Electroluminescenc 10 2877
Thin Films by Atomic Layer Epitaxy 11 3210
Thin Films for Rechargeable Microbatteries 12 3296
Thin Films Prepared by Anodic Deposition 12 3439
Thin Films from SiH2Cl2 and NH3 Mass Spectrometri 12 3505
Thin Layers of Stainless Steel 12 3312
Thin Oxides Grown by Rapid Thermal Oxidation of Si in N2O Effect 11 3222
Thin Perfluorosulfonate Cation-Exchanger Films by Plasma Polymerizatio 9 2350
Thin Porous Coating Rotating Disk Electrode App 2 431
Thin Silicon Nitride Dielectric Films Deposited on Smooth and Rugged Pol 4 1006
Thin SiO2 Shallo 6 1702
Thin TiSi2. Effect on Submicron Line Resistance and Shallow Junction Le 5 1351
Thin Tunnel Dielectrics 12 3500
Thin-Film Electrodes 4 889
Thin-Film Electrode Observation of a Tra 7 1735
Thin-Film High-Tc Superconductors 3 810
Thin-Film Metallizations and Barrier Layers Commonly Used in the Microe 3 807
Thin-Film Platinum in Acid Media Microstructu 2 425
Thin-Film Transistors. SiCl4 Based Chemistry 2 502
Thin-Layer Solid-State Lithium Polymer Batteries 7 L80
Thin-Oxide Dielectric Strength Improvement by Adding a Phosphonic Acid 10 L139
Thinning 3 750
Thiogallate Thin Films and Devices Electro 10 2877
Three-Dimensional Thermal Modeling of Lithium-Polymer Batteries under 11 2947
Ti Barrier Metals in Al-Barrier-Al Via Hole Metallization 4 1056
Ti Films in NH3 A Study of Electric 2 479
Ti-15 V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueo 10 2633
Ti-Tungsten Diffusion Barriers. I. A Discussion of the Role of the A15 Stru 7 1867
Ti/Al Aluminum Alloy Thin Film Couples and Its Role in Electromigration Li 1 302
TiC Substrates in CF4 + O2 + Ar 10 2915
Time and Temperature on the Adsorption of Carbon Dioxide on Platinum 1 L4
Time and Temperature Dependence of Electrical Dopant Activation in High 11 3158
Time Constant of a Radial Circuit Terminated by a Cylindrical Cell with Ind 3 706
TiN and Ti Barrier Metals in Al-Barrier-Al Via Hole Metallization 4 1056
Tin Deposition in View of the Electrolytic Synthesis of NiP/Sn Multilayers 2 397
TiN Films at Low Nitrogen Content 1 L8
Tin Oxide The Role of an Electr 4 L38
Tin Oxide/Silicon Oxide/Silicon Junction Solar Cells on Spray Solvents 5 1357
Tin Sulfate Pyrolysis 11 3254
TiN Using Tetrakis(dimethylamido)-Titanium in an Electron Cyclotron Reso 3 849
TiO2/SiO2 Multilayer Films 1 237
Tip-Surface Interaction 4 L43
TiSi2. Effect on Submicron Line Resistance and Shallow Junction Leakage 5 1351
TiSi2 Thin Films 5 1347
Tissue 1 122
Titanium 3 636
Titanium Effec 12 3512
Titanium Carbide Using Silane and Ethylene Morpholog 3 765
Titanium Carbide Using Ethylene, Carbon Tetrachloride, and Silicon Tetra 3 771
Titanium Electrodes 3 643

erization of Aniline and 2,5-Diaminobenzenesulfonic Acid on IrO2-Coated
d Titanium Tetrachloride A Kinetic Study of
A Thermodynamic Analysis of Selective Area CVD of
Wet Chemical Etching of Alignment V-Grooves in (100) InP through
Reaction and Film Properties of Selective
tanium Nitride Chemical Vapor Deposition Using Nitrogen, Hydrogen, and
Source/Drain Dislocations and Electrical Leakage in
al Stability of Cu/CoSi2 Contacted p+n Shallow Junction with and without
Nafion-Coated Pt Electrodes Effects of
A Mathematical Model for Planarization of Microelectronic
Evolution of Microscopic Surface
very Systems Measurement of Moisture and
Spectroscopy A
Theory of Thermocells. Transported Entropies and Heat of
A Monte Carlo Simulation Study of Radiation Heat
uminate Molten Salts Heterogeneous and Homogeneous Electron
ode In Situ X-Ray Absorption on Fine Structure Study on Structure
) System Interdiffusion, Phase
The C49 to C54 Phase
arrier Tunneling in Semiconductor Electrodes Electroluminescence
naces In Situ Observation System for Silicon Wafer
Implant Energy An Investigation of Phosphorus
iobium in Fused NaCl-KCl
Analysis of Nonexponential
id Thermal Annealing of p-Type Silicon. Correlation Between Deep-Level
in Thin-Film Electrode Observation of a
Anodic Oxide Films as a Gate Dielectric for a Thin Film
ion Substrate Heating on the Electrical Properties of Alpha-Si:H Thin Film
Reactive Ion Etch Processes for Amorphous Silicon Thin-Film
Thin Film
i Deintercalation-Intercalation Reaction and Structural Change in Lithium
Metastable Pitting of Aluminum and Criteria for the
Silicon Wafer Etching by
s Electrochemical and Structural Properties of SnO2 and Sb:SnO2
The Role of an Electrolysis Reduction in Copper-Electroplating on
eposition Simulation of Rarefied Gas
dox Switching Charge and Ion
Modeling of Charge Carrier
2/He, O2/Ar, and O2/N2 Mixtures. I. Experimental Analysis Mass
2/He, O2/Ar, and O2/N2 Mixtures. II. Theoretical Analysis Mass
Theory of Thermocells.
easurements Determination of Generation Lifetime in
Deep and Shallow Electron
Protective
2 Thin Films Effects of Thermal and Chemical
umina Ceramic The Influence of Thermal
Neutral Particle Flux Calculations in Plasma Etching for Cylindrical
Offset
Intrinsic and Passivation-Induced
Measurement of Mobile Ion Contamination in Multilayer Metallization by
ting of Metal and Oxidized Carbon Particles for Complete Degradation of
Fiber with Graphite Structure in Organic Electrolytes Containing Lithium
Electrochromism of Electrodeposited Tungsten
Electrochromic Properties of Tungsten
Electrochromic Properties of Tungsten
Electrodeposition of Cobalt-Chromium Alloy from
Deposition of Carbonaceous Films onto Internal Walls of
rmation of Defects and Morphology during Chemical Vapor Deposition of
Nucleation on SiO2 during the Selective Chemical Vapor Deposition of
High-Selectivity and High-Deposition Rate
es Diffusion Coefficients Electrodeposition Studies of Aluminum on
The Dependence of the Stress Chemical Vapor Deposited
Effect of Carrier Gases on the Chemical Vapor Deposition of
Infrared Laser Measurements of HBr near the Filament of a
ve Chemical Vapor Deposition of Tungsten by the Hydrogen Reduction of
Laminated Electrochromic Windows Based on Nickel Oxide,
Conducting Polymer Electrolyte
Grain-Size Effects in
Electrochromic Properties of
Electrochromism of Electrodeposited
n Electrochromic Properties of
ueous Environments
iformity of the N2O Furnace Oxynitride Process for the Formation of Thin
Its Application to Kinetic Study on Electrode Reactions Caused by Carrier
Oxide Monolayer on Au(111) In Situ Scanning
uring Oxidation A Point Defect Based
Morphology Change of Oxide Precipitates in CZ Silicon during
Preparation of Homogeneous Polycrystalline CuInSe2 Thin Films by a
ance of Li-Carbon Intercalation Anodes for Rechargeable "Rocking Chair"
ospheric Pressure Ionization Mass Spectrometry to Monitor Hydrocarbon
tion of Isothermal Chemical Vapor Infiltration with Langmuir-Hinshelwood
inum A Chronoamperometric Study of Anodic Processes at Various

on of Ultrathin Gate Oxide in a SILO/RTN Isolation Process for Advanced
ochemical Solar Cells Preparation of a Langmuir-Blodgett Layer of
s Morphology of
Preparation of
(100) Oriented Poly-Si Film Grown by
Silicon Dioxide, and Selective Epitaxy Using Disilane and Hydrogen in an
ss-Corrosive Media (Molten Carbonate at 650 C) Design of a Gold
Introducing a New Concept of Surface Gettering Optimization of
ling
Coated on Si
e Effects of Oxygen Reduction on Nickel Deposition from
he Development of an Anisotropic Si Etch Process Selective to GexSi1-x
Fluorine-Enhanced Boron Migration into Oxide from
Silicon Influence of the Existence of an
Electrodes The Effects of Organic Adsorbates on the
anel K500 Use of
Aging Effects and Passivation Studies on

Titanium Electrode Polyaniline Derivative with External and Internal 10 2624
Titanium Nitride Chemical Vapor Deposition Using Nitrogen, Hydrogen, an 3 787
Titanium Nitride Compounds by the Alternating Cyclic Method 4 1086
Titanium or In0.53Ga0.47As Masks 6 1594
Titanium Silicide Low-Pressure Chemical Vapor Deposition 7 1879
Titanium Tetrachloride A Kinetic Study of Ti 3 787
Titanium-Salicided Silicon CMOS Integrated Circuits 7 1957
TiW Diffusion Barrier Therm 10 2804
Toluene and Benzoic Acid on the Kinetics of Ferrous Oxidation on Pt and 6 1483
Topographies 2 585
Topography during Passivation of Aluminum 6 1446
Total Hydrocarbon Contributions by Valves Used in Clean Room Gas-Deli 6 1653
Transfer Function Approach for a Generalized Electrochemical Impedance 5 1147
Transfer in Sulfate Mixtures 5 1236
Transfer in the Multiwafer LPCVD Reactor 2 496
Transfer Reactions of Tetrathiafulvalene in Ambient Temperature Chloroal 7 1713
Transformation and Electronic State of Various Pt Particles on Carbon El 9 2516
Transformation, and Epitaxial CoSi2 Formation in Multilayer Co/Ti-Si(100 12 3480
Transformation in TiSi2 Thin Films 5 1347
Transient and Its Application to Kinetic Study on Electrode Reactions Cau 12 3410
Transient Deformation during Insertion/Withdrawal into/from Horizontal Fu 5 1299
Transient Diffusion in Silicon below the Solid Solubility Limit and at a Low 8 2182
Transient Electrochemical Techniques for Studying Electrodeposition of N 12 3306
Transient Response Due to a Constant-Phase Element 12 3423
Transient Spectroscopy and Lifetime Measurements Rap 3 754
Transient Structural Change during the Reversible Reduction of a Porphyr 7 1735
Transistor 5 1325
Transistors Effects of Plasma-Enhanced Chemical Vapor Deposit 4 1040
Transistors. SiCl4 Based Chemistry 2 502
Transistors with Graded SiNx Gate Dielectrics 4 1061
Transition Metal Nitride, Li7MnN4 L 11 2966
Transition to Stable Pit Growth 11 3028
Transmitted Electron-Beam-Enhanced Plasma 9 2541
Transparent Electrodes with Mixed Electronically Conductive and Ion-Stor 9 L127
Transparent Semiconductor Tin Oxide 4 L38
Transport and Profile Evolution in Nonplanar Substrate Chemical Vapor D 9 2545
Transport in Poly(pyrrole copper phthalocyanine tetrasulfonate) during Re 1 35
Transport in Photoetching of Gallium Arsenide 2 546
Transport Phenomena in Proton Exchange Membrane Fuel Cells Using O 8 2084
Transport Phenomena in Proton Exchange Membrane Fuel Cells Using O 8 2089
Transported Entropies and Heat of Transfer in Sulfate Mixtures 5 1236
Trap-Rich and Layered Semiconductors by Metal Oxide Semiconductor M 8 2151
Trapping in the Buried Oxide Layer of SIMOX Structures 10 2801
Treatments for Nickel-Based Contact Materials 7 1977
Treatments on the Composition and Structure of Electrodeposited CuInSe 1 225
Treatments on the Adhesion of Electrolessly Deposited Ni(P) Layers on Al 3 816
Trench Holes 9 2453
Trench Isolation 8 2178
Trench Tapering during Plasma Etching 7 1964
Triangular Voltage Sweep 7 1862
Tribology Analysis of Chemical-Mechanical Polishing 6 1698
Trichloroethylene in Acetonitrile Composite Electrodes Consis 6 1522
Trifluoromethylsulfate and Lithium Hexafluorophosphate Charge/D 5 1105
Trioxide Films. I. Electrochemical Characterization 7 1758
Trioxide Thin Films Prepared by Chemical Vapor Deposition 4 1021
Trioxide Thin Films Prepared by Photochemical Vapor Deposition 9 2435
Trivalent Chromium Solutions 7 1773
Tubes 2 374
Tungsten On the Fo 8 2193
Tungsten by the Hydrogen Reduction of Tungsten Hexafluoride 12 3532
Tungsten CVD Freed from Chamber Cleaning 2 566
Tungsten Electrode from DMSO2 Electrolytes. Determination of Al(III) Spe 2 378
Tungsten Films on Deposition Parameters 3 843
Tungsten from WF6-SiH4 2 475
Tungsten Halogen Lamp 8 2024
Tungsten Hexafluoride Nucleation on SiO2 during the Selecti 12 3532
Tungsten Oxide, and Gel Electrolytes 4 1025
Tungsten Oxide-Prussian Blue Electrochromic System Based on a Proton- 8 2061
Tungsten Oxide-Based Sensor for Nitrogen Oxides 8 2207
Tungsten Trioxide Thin Films Prepared by Chemical Vapor Deposition 4 1021
Tungsten Trioxide Films. I. Electrochemical Characterization 7 1758
Tungsten Trioxide Thin Films Prepared by Photochemical Vapor Depositio 9 2435
Tungsten/Tungsten Oxide pH Sensing Electrode for High Temperature Aq 11 3002
Tunnel Dielectrics Un 12 3500
Tunneling in Semiconductor Electrodes Electroluminescence Transi 12 3410
Tunneling Microscopy Studies of the Formation and Reduction of a Gold 5 1291
Two-Dimensional Model of the Evolution of Dislocation Loops in Silicon d 3 759
Two-Step Annealing 12 3588
Two-Step Chemical-Vapor-Transport Process 2 558
Type Batteries The Correlation Between the Surface Chemistry and 3 603
Type Impurities in Bulk Nitrogen Use of Atm 9 2478
Type Kinetics Evalua 1 282
Types of Carbon Anode in Al2O3-Na3AlF6 Melts Used in the Electrolytic P 8 2103

— U —

ULSI. Introducing a New Concept of Surface Gettering Optimizati 10 2811
Ultrafine Platinum Particles and Its Application to n-Si for Efficient Photoe 11 3077
Ultrafine RuO2-IrO2 Binary Oxide Particles Prepared by a Sol-Gel Proces 9 L118
Ultrafine RuO2-SnO2 Binary Oxide Particles by a Sol-Gel Process 5 1243
Ultrahigh Vacuum Chemical Vapor Deposition 10 2848
Ultrahigh Vacuum Rapid Thermal Chemical Vapor Deposition Reactor 11 3269
Ultramicroelectrode for Voltammetric Studies at High Temperature in Gla 8 2015
Ultrathin Gate Oxide in a SILO/RTN Isolation Process for Advanced ULSI. 10 2811
Ultrathin Tantalum Oxide Capacitor Process Using Oxygen-Plasma Annea 5 1246
Ultraviolet-Induced Deposition of SiO2 Film from Tetraethoxysilane Spin- 6 1556
Unbuffered Aqueous Solutions I. Deposition Process and Deposit Structur 8 2030
Underlayers T 2 507
Underlying Silicon 5 1381
Underlying SiO2 Layer on the Lateral Solid-Phase Epitaxy of Amorphous 1 188
Underpotential and Bulk Deposition of Silver on Polycrystalline Platinum 12 3394
Underpotential Deposition of Zinc to Mitigate Hydrogen Absorption into M 5 1220
Undoped and Ag-Doped YBa2Cu3O7-x Laser Ablated Thin Films 6 1611

Electrochemical Deposition of
Interferometric Real-Time Measurement of
Improving Axial Oxygen Precipitation
in Tunnel Dielectrics
On-Line Inference of Plasma Etch
Electrodes Improved Performance of
Vapor Water
eakly Acidic and Neutral Solutions Cyclic Voltammetry of the
A New Global Planarization Technique
Widegap Column-III Nitride Semiconductors for

Uniform Lithium on an Ni Substrate in a Nonaqueous Electrolyte 9 L109
Uniformity for Plasma Etching 7 1893
Uniformity in CZ Silicon Crystals Using the S-Curve Concept 1 173
Uniformity of the N2O Furnace Oxynitride Process for the Formation of Th 12 3500
Uniformity Using In Situ Ellipsometry 5 1387
Unmodified and Cobalt Phthalocyanine-Modified Carbon-Kel-F Composite 2 323
Uptake of Perfluorosulfonic Acid Membranes from Liquid Water and Water 6 1493
Uranyl Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in W 2 311
Utilizing In Situ Isotropic Photoresist Mask Erosion 1 251
UV/Blue Light Emitting Devices 8 2266

—V—

loride Solutions Electrochemistry and Passivity of Ti-15
Wet Chemical Etching of Alignment
Cathode Characteristics of Amorphous
(100) Oriented Poly-Si Film Grown by Ultrahigh
oxide, and Selective Epitaxy Using Disilane and Hydrogen in an Ultrahigh
A Finite-Difference Method for Pseudo-Two-Dimensional Boundary
Phosphor Development for Alpha-Silicon Liquid Crystal Light
Measurement of Moisture and Total Hydrocarbon Contributions by
ptake of Perfluorosulfonic Acid Membranes from Liquid Water and Water
Thermodynamic and Experimental Study of the Chemical
ing the Wafer Temperature Profile in a Multiwafer Low Pressure Chemical
itation in Semi-Insulating Fe-Doped InP Grown by Metalorganic Chemical
Effect of Carrier Gases on the Chemical
namic Analysis Selective Area Chemical
n Nitride Films Prepared by Hydrogen Radical-Assisted Plasma Chemical
Morphological Structure of Silicon Carbide Grown by Chemical
trachloride Morphological Structure of Silicon Carbide, Chemically
A Kinetic Study of Titanium Nitride Chemical
cular Impinging Jet,Reactor. Simulation and Experiments Chemical
The Dependence of the Stress Chemical
etric Examination of Structure and Growth Rate of Metalorganic Chemical
hromic Properties of Tungsten Trioxide Thin Films Prepared by Chemical
Si:H Thin Film Transistors Effects of Plasma-Enhanced Chemical
Dependence of the Kinetics of Electrochemical
Oxygen Incorporation during Low Temperature Chemical
Synchronously Excited Discrete Chemical
Plasma-Assisted Chemical
A Predictive Model for the Chemical
and Film Properties of Selective Titanium Silicide Low-Pressure Chemical
erformance Solid Oxide Fuel Cell Cathode Fabricated by Electrochemical
ction Study of Disilane Pyrolysis: Applications to Low Pressure Chemical
ple-Angle Incident Ellipsometry Measurement on Low Pressure Chemical
On the Formation of Defects and Morphology during Chemical
ic Properties of Tungsten Trioxide Thin Films Prepared by Photochemical
ied Gas Transport and Profile Evolution in Nonplanar Substrate Chemical
(100) Oriented Poly-Si Film Grown by Ultrahigh Vacuum Chemical
trochromic Properties of Niobium Oxide Thin Films Prepared by Chemical
Chlorine-Activated Diamond Chemical
Disilane and Hydrogen in an Ultrahigh Vacuum Rapid Thermal Chemical
Mass Spectrometric and Kinetic Study of Low-Pressure Chemical
xafluoride Nucleation on SiO2 during the Selective Chemical
FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical
FTIR Studies of the Adsorption/Desorption Behavior of Cu Chemical
(300 C) Silicon Epitaxial Growth by Confined Plasma Enhanced Chemical
Evaluation of Isothermal Chemical
Analysis and Thermochemistry of the
mps Study of the Heterocomplexes in the
Phosphorus Direct Doping from
3 Catalyst on GaAs Grown by Low Pressure TEAs-TMGa Organometallic
Modeling of Cylindrical Alkaline Cells. VI.
Fabrication of
In Situ Monitoring of Electrode Surface Modification
Electrode Polyaniline Derivative with External and Internal Doping
Behavior of TiN and Ti Barrier Metals in Al-Barrier-Al
Electrode and Electrolytes Containing Additives In Situ Scanning
Mass-Transfer Behavior of Electrochemical Reactors Employing
Electrochemical Diagnostic of Bright Tin Deposition in
Capacitive-Type Humidity Sensors Using Polymerized
nic Electrochemistry. XVII. Indirect Electrochemical Debromination Using
Microdefects in Oxide Films Deposited on Featured Surfaces of
Anisotropy of Porous Anodization of Aluminum for
LiNiVO4: A 4.8
s A 3
Solid-State Redox Reactions of LiNi1/2Co1/2O2 (R3m) for 4
Calculation of Noise Resistance from Simultaneous Electrochemical
Silicon-On-Insulator Devices for High
Low
Effect of Mercury-Silver Alloy Composition on the Open-Circuit
ent of Mobile Ion Contamination in Multilayer Metallization by Triangular
de-Derived Pd Electrodes in NaOH and H2SO4
ten Carbonate at 650 C) Design of a Gold Ultramicroelectrode for
Phosphorous Acid Impurities in Phosphoric Acid Fuel Cell Electrolytes. I.
phite Electrode in Weakly Acidic and Neutral Solutions Cyclic

V-3 Cr-3 Al-3 Sn Beta-Titanium Alloy in Ambient Temperature Aqueous Ch 10 2633
V-Grooves in (100) InP through Titanium or In0.53Ga0.47As Masks 6 1594
V2O5 with Polymer Electrolyte and Li Anode at 100 C 10 2611
V2O5 Xerogel Films as Intercalation Hosts for Lithium 3 L25
Vacuum Chemical Vapor Deposition 10 2848
Vacuum Rapid Thermal Chemical Vapor Deposition Reactor Growth 11 3269
Value Problems 1 151
Valve Projection Display 11 3172
Valves Used in Clean Room Gas-Delivery Systems 6 1653
Vapor Water U 6 1493
Vapor Codeposition in the Silicon-Boron-Carbon System at 1400 K 2 452
Vapor Deposition Furnace Model 1 161
Vapor Deposition Fe Incorporation and Precip 1 242
Vapor Deposition of Tungsten from WF6-SiH4 2 475
Vapor Deposition of Silicon by the Alternating Cyclic Method: A Thermody 2 593
Vapor Deposition C-V Characteristics of Amorphous Silico 3 742
Vapor Deposition on Titanium Carbide Using Silane and Ethylene 3 765
Vapor Deposited on Titanium Carbide Using Ethylene, Carbon Tetrachlori 3 771
Vapor Deposition Using Nitrogen, Hydrogen, and Titanium Tetrachloride 3 787
Vapor Deposition of Silicon from Disilane under Reduced Pressure in a Cir 3 824
Vapor Deposited Tungsten Films on Deposition Parameters 3 843
Vapor Deposited Ta2O5 Films on Si(100) Ellipsom 3 853
Vapor Deposition Electroc 4 1021
Vapor Deposition Substrate Heating on the Electrical Properties of Alpha- 4 1040
Vapor Deposition of CeO2 on Oxygen Partial Pressure 5 1261
Vapor Deposition Growth of Epitaxial Silicon Films 5 1284
Vapor Deposition of Ta2O5 5 1339
Vapor Deposition and Characterization of Boron Nitride Films 6 1633
Vapor Deposition of Polysilicon in a Cold Wall, Rapid Thermal System 6 1658
Vapor Deposition Reaction 7 1879
Vapor Deposition High P 7 1928
Vapor Deposition Gas-Phase Rea 8 2135
Vapor Deposited Amorphous Silicon and Polysilicon Mult 8 2146
Vapor Deposition of Tungsten 8 2193
Vapor Deposition Electrochrom 9 2435
Vapor Deposition Simulation of Panel 9 2545
Vapor Deposition 10 2848
Vapor Deposition Elec 10 2868
Vapor Deposition 11 3246
Vapor Deposition Reactor Growth Kinetics, Silicon Nucleation on Sil 11 3269
Vapor Deposition of Si3N4 Thin Films from SiH2Cl2 and NH3 12 3505
Vapor Deposition of Tungsten by the Hydrogen Reduction of Tungsten He 12 3532
Vapor Deposition Precursors on Silica. III. 12 3539
Vapor Deposition Precursors on Silica. IV. 12 3547
Vapor Deposition The Kinetics of Very Low Temperature 12 3584
Vapor Infiltration with Langmuir-Hinshelwood Type Kinetics 1 282
Vapor of the NaBr-DyBr3 System 10 2769
Vapor of the Na-Sn-Br-I System and Their Relevance for Metal Halide La 10 2774
Vapor Phase into Silicon for Shallow Junctions 8 2241
Vapor-Phase Epitaxy Effect of Pt/Al2O 9 2573
Variable Discharge Conditions 1 28
Vertical Sidewalls by Anisotropic Etching of Silicon (100) Wafers 11 3182
via Confocal Scanning Beam Laser Microscopy 11 L153
via Electrochemical Copolymerization of Aniline and 2,5-Diaminobenzenes 10 2624
Via Hole Metallization 4 1056
Vibrating Electrode Technique for the Characterization of Interface Betwe 12 L159
Vibrating Screen Electrodes 2 437
View of the Electrolytic Synthesis of NiP/Sn Multilayers 2 397
Vinyl Carboxylate 3 614
Viologens as Microscopic Phase-Transfer Mediators Application of 10 2579
VLSI Substrates by Thermal CVD of TEOS and O2 11 3154
VLSI Technology 9 2556
Volt Electrode Material for Lithium Cells 9 2279
Volt Lithium Manganese Oxide Cathode for Rechargeable Lithium Batterie 7 L76
Volt Secondary Lithium Cells 8 2010
Voltage and Current Noise Data 11 L155
Voltage and Power IC Applications 7 1983
Voltage Cathodoluminescence of Mn2+-Activated ZnGa2O4 8 2198
Voltage of Cadmium/Mercuric Oxide Cells 10 2587
Voltage Sweep Measurem 7 1882
Voltammetric Investigation of Hydrogen Sorption/Desorption at/within Oxi 11 2996
Voltammetric Studies at High Temperature in Glass-Corrosive Media (Mol 8 2015
Voltammetric Study of Impurity Formation 12 3325
Voltammetry of the Uranyl Ion in Magnesium Chloride Electrolyte at a Gra 2 311

—W—

Materials with a Buried C60 Layer Produced by Direct
Low-Temperature
Buried Cobalt Silicide Layers in Silicon Created by
Silicon
Mechanism of Metallic Particle Growth and Metal-Induced Pitting on Si
Prevention of Microroughness Generation on the Silicon
Deposition Furnace Modeling the
Wavelength Considerations for Improved Silicon
ntial Furnaces In Situ Observation System for Silicon
Warpage and Oxygen Precipitate Distributions in CZ Silicon
A Kinetics Study of the Bond Strength of Direct Bonded
me Study of Metastable Surface Recombination Centers in n-Type Silicon
Fabrication of Vertical Sidewalls by Anisotropic Etching of Silicon (100)

Wafer Bonding 10 L137
Wafer Bonding of Surfaces Using a Reactive Sputtered Oxide 8 2157
Wafer Bonding 10 2829
Wafer Etching by Transmitted Electron-Beam-Enhanced Plasma 9 2541
Wafer Surface in Wet Chemical Processing 10 2834
Wafer Surface in Buffered Hydrogen Fluoride by a Surfactant Addition 10 2899
Wafer Temperature Profile in a Multiwafer Low Pressure Chemical Vapor 1 161
Wafer Temperature Measurement by Ellipsometry 2 539
Wafer Transient Deformation during Insertion/Withdrawal into/from Horizo 5 1299
Wafers 7 1856
Wafers 11 3225
Wafers Lifeti 6 1590
Wafers 11 3182

Particle Deposition on Silicon **Wafers** during Wet Cleaning Processes 6 1684
Electrokinetic Characteristics of Nitride **Wafers** in Aqueous Solutions and their Impact on Particulate Deposition 9 2465
Surface Analysis of Si(111) **Wafers** Using Second Harmonic Generation 11 3145
Observation of Oxygen Precipitates in CZ-Grown Si **Wafers** with a Phase Differential Scanning Optical Microscope 9 L120
edictive Model for the Chemical Vapor Deposition of Polysilicon in a Cold **Wall**, Rapid Thermal System A Pr 6 1658
Corrosion of Reactor **Wall** Surfaces by WF6 10 2884
Deposition of Carbonaceous Films onto Internal **Walls** of Tubes 2 374
Warpage and Oxygen Precipitate Distributions in CZ Silicon Wafers 7 1856
Corrosion of Alpha-Al-Bronze in Saline **Water** 1 71
by Inorganic Spin-On-Glass. Influence of Silicon Oxide with High Yield of **Water** Absorption Positive Charge Induced 6 1628
and Zn(CF3SO3)2PEOn **Water** Absorption of the Polymer Electrolyte Systems Pb(CF3SO3)2PEOn 7 1819
Water Uptake of Perfluorosulfonic Acid Membranes from Liquid **Water** and Water Vapor 6 1493
ll-Molybdenum, and Cobalt-Tungsten as Hydrogen Electrodes in Alkaline **Water** Electrolysis Study of Electrodeposited Nickel-Molybdenum, N 2 382
Detection of D2O in **Water** Isotopes Using a High Temperature Protonic Conductor 9 L125
The Effects of **Water** on the Passive Behavior of 1018 Carbon Steel in Organic Solutions 4 934
Water Vapor **Water** Uptake of Perfluorosulfonic Acid Membranes from Liquid Water and 6 1493
ater Uptake of Perfluorosulfonic Acid Membranes from Liquid Water and **Water** Vapor W 6 1493
urement by Ellipsometry **Wavelength** Considerations for Improved Silicon Wafer Temperature Meas 2 539
e Uranyl Ion in Magnesium Chloride Electrolyte at a Graphite Electrode in **Weakly** Acidic and Neutral Solutions Cyclic Voltammetry of th 2 311
ystem. Expansion of the Electrochemical Window on Proton Addition to a **Weakly** Basic AlCl3:ImCl Ionic Liquid The Ternary HCl:ImCl:AlCl3 A 3 L19
Temperature-Dependent Methanol Electro-oxidation on **Well-Characterized** Pt-Ru Alloys 7 1795
um or In0.53Ga0.47As Masks **Wet** Chemical Etching of Alignment V-Grooves in (100) InP through Titani 6 1594
Wet Chemical Cleaning and Surface Analysis of ZnSe 7 1973
Metallic Particle Growth and Metal-Induced Pitting on Si Wafer Surface in **Wet** Chemical Processing Mechanism of 10 2834
Particle Deposition on Silicon Wafers during **Wet** Cleaning Processes 6 1684
Galvanostatic Experimental Design **Wetting-in** Studies on Alkaline-Fuel-Cell Cathodes Using a Potentiostatic- 6 1503
Corrosion of Reactor Wall Surfaces by **WF6** 10 2884
fect of Carrier Gases on the Chemical Vapor Deposition of Tungsten from **WF6-SiH4** Ef 2 475
vices **Widegap** Column-III Nitride Semiconductors for UV/Blue Light Emitting De 8 2266
bient-Temperature Molten Salt System. Expansion of the Electrochemical **Window** on Proton Addition to a Weakly Basic AlCl3:ImCl Ionic Liquid 3 L19
Laminated Electrochromic **Windows** Based on Nickel Oxide, Tungsten Oxide, and Gel Electrolytes 4 1025
ation Characteristics of Phosphorus-Doped Amorphous Silicon "Slit Nano **Wire"** Nucleation and Crystalliz 5 1392
Decomposition of Alkoxysilanes on the Surface of a Hot **Wire-Study** of Decomposition Mechanism 2 542
High Temperature Deposition of SiO2 on Hot **Wires** by Decomposition of Tetraethoxysilane 2 514
Optimization Study of Solid-State Electrochromic Devices Based on **WO3/Lithium-Polymer** Electrolyte/V2O5 Structures 10 2795
An Oxynitride ISFET Modified for **Working** in a Differential Mode for pH Detection 2 535
Modeling of Cylindrical Alkaline Cells. VII. A **Wound** Cell Model 7 1751
Characterization of Si-Si Bonding by **Wright** Etching 3 796

— X —

in Some of Its Oxycompounds **X-Ray** Absorption Fine Structure Spectra and the Oxidation State of Nickel 6 L69
puttered Alloys. II. In Situ Studies **X-Ray** Absorption Study of Electrochemically Grown Oxide Films on AlCr S 1 83
e Copper-Monolayer/Platinum-Electrode Interface as Measured by In Situ **X-Ray** Absorption Spectroscopy Structure of th 9 2369
lectronic State of Various Pt Particles on Carbon Electrode In Situ **X-Ray** Absorption on Fine Structure Study on Structure Transformation an 9 2516
ervation of the Lithium Surface Immersed in Nonaqueous Solvents **X-Ray** Photoelectron Spectroscopy Analysis and Scanning Electron Micros 9 2379
perature Silicon Epitaxial Layer and HF-Treated Silicon Substrate **X-Ray** Reflectivity Measurement of an Interface Layer Between a Low Tem 5 1370
Steel In Situ Multielement **XANES** Study of Formation and Reduction of the Oxide Film on Stainless 1 L6
V2O5 **Xerogel** Films as Intercalation Hosts for Lithium 3 L25
Structure and Chemical Nature of Porous Si and Siloxene by STM, AFM, **XPS**, and LIMA Study of the 2 402
Crystal Surfaces **XPS** and STM Investigation of the Passive Film Formed on Cr(110) Single- 11 3016

— Y —

The Synthesis and Particle Growth Mechanism of Bright Green Phosphor **YAG:Tb** 5 1252
Aging Effects and Passivation Studies on Undoped and Ag-Doped **YBa2Cu3O7-x** Laser Ablated Thin Films 6 1611
Induced by Inorganic Spin-On-Glass. Influence of Silicon Oxide with High **Yield** of Water Absorption Positive Charge 6 1628
Preparation of Nickel Pattern Electrodes on **YSZ** and Their Electrochemical Properties in H2-H2O Atmospheres 8 2129
Deoxidation of Molten Metals by Short Circuiting **Yttria-Stabilized** Zirconia Electrolyte Cell 2 467

— Z —

Effects of Electrogenerated Silver Particles on the Electrochemistry of **Zeolite-Encapsulated** Iron Salen Complex 11 3049
:Cr Spectral Behavior of **Zero-Bias** Photocurrent at Low Temperature in Bulk Semi-Insulating GaAs 9 2533
d Modeling of the Influence of Nickel Impurities **Zinc** Electrowinning in Acidic Sulfate Electrolytes: Impedance Analysis an 1 131
Ductility and Crystallographic Structure of **Zinc** Foils Electrodeposited from Acid Zinc Sulfate Solutions 10 2698
Applications of Porous Flow-Through Electrodes. V. Electrowinning of **Zinc** from Flowing Alkaline Zincates at Packed-Bed Electrodes 2 441
The Use of Anodic Oxide Films to Control the Diffusion of **Zinc** in GaAs 6 1639
Electrochromic Oxidation and Reduction of Cobalt and **Zinc** Naphthalocyanine Thin Films 1 64
and Powder Morphologies on the Cementation Rate of Copper in Alkaline **Zinc** Solution Effects of Temperature 3 664
On the Emergence and Spacing of **Zinc** Striations. I. Determination of Preferred Striation Frequency 6 1477
Electrical Characteristics of **Zinc** Sulfide Thin Films Deposited by Various Methods 5 1320
ty and Crystallographic Structure of Zinc Foils Electrodeposited from Acid **Zinc** Sulfate Solutions Ductili 10 2698
Use of Underpotential Deposition of **Zinc** to Mitigate Hydrogen Absorption into Monel K500 5 1220
Effect of SiO2 Colloid on the Electrodeposition of **Zinc-Iron** Group Metal Alloy Composites 4 954
Flow-Through Electrodes. V. Electrowinning of Zinc from Flowing Alkaline **Zincates** at Packed-Bed Electrodes Applications of Porous 2 441
Deoxidation of Molten Metals by Short Circuiting Yttria-Stabilized **Zirconia** Electrolyte Cell 2 467
Kinetics of the Electrode Reaction at the H2-H2O Porous Pt/Stabilized **Zirconia** Interface 6 1674
Oxygen Reduction at La0.5Sr0.5MnO3 Thin Film/Yttria-Stabilized **Zirconia** Interface Studied by Impedance Spectroscopy 8 2118
In Situ Monitoring of Phosphatation Reactions on **Zn** Using the Quartz Crystal Microbalance 10 2655
r Absorption of the Polymer Electrolyte Systems Pb(CF3SO3)2PEOn and **Zn(CF3SO3)2PEOn** Wate 7 1819
Mn2+ Concentration Effect on the Optical Properties of **Zn2SiO4:Mn** Phosphors 2 524
Photoluminescence of Mn2+-Activated **ZnGa2O4** 7 1950
Low Voltage Cathodoluminescence of Mn2+-Activated **ZnGa2O4** 8 2198
Growth of **ZnGa2O4** Phosphor by Radio Frequency Magnetron Sputtering 6 1617
Electroless Copper Plating Using **ZnO** Thin Film Coated on a Glass Substrate 5 L56
se Photochemical Reduction of Carbon Dioxide to Methanol Using **ZnS** Microcrystallite as a Photocatalyst in the Presence of Methanol Dehy 6 1498
Process and Film Characterization of Chemical-Bath-Deposited **ZnS** Thin Films 1 205
ial Diffusion of Metal Atoms during Air Annealing of Chemically Deposited **ZnS-CuS** and PbS-CuS Thin Films Interfac 9 2536
AC Electroluminescence of **ZnS:Tm** 4 1070
Wet Chemical Cleaning and Surface Analysis of **ZnSe** 7 1973
Chemical Bath Deposition of **ZnSe** and CuSe Thin Films Using N,N-Dimethylselenourea 3 802
Electronic Conductivity of In2O3 Solid Solutions with **ZrO2** 10 2759
Low Temperature Operation of Solid Oxide Fuel Cell with a **ZrO2-Sc2O3-Al2O3** System Electrolyte 12 3450